Title of the book: Artificial Intelligence

Type of book: Edited/Authored

Editors/Authors: Editors Name, Editors Name, Editors Name,

Affiliations: Affiliation, Affiliation, Affiliation

All Editors and Authors Email ID (Mandatory): [abc@gmail.com](mailto:abc@gmail.com), [pqrs@gmail.com](mailto:pqrs@gmail.com), [xyz@gmail.com](mailto:xyz@gmail.com)

All Editors and Authors ORCID IDs (Mandatory): [https://orcid.org/0000-](https://orcid.org/0000-0302-1351-237), [https://orcid.org/0000-0-](https://orcid.org/0000-0012-1352-4372), <https://orcid.org/0000-0>

*Published, marketed, and distributed by:*

Deep Science Publishing, 2025

USA | UK | India | Turkey

Reg. No. MH-33-0523625

www.deepscienceresearch.com

editor@deepscienceresearch.com

WhatsApp: +91 7977171947

ISBN:

E-ISBN:

https://doi.org/10.70593/

Copyright © Authors Name, 2025.

**Citation:** Surname, N. L., Surname, S. K., Surname, O., & Surname, J. (Eds.). (2025). *Book title*. Deep Science Publishing.

This book is published online under a fully open access program and is licensed under a Creative Commons Attribution-NonCommercial 4.0 International License (CC BY-NC 4.0). This open access license allows third parties to copy and redistribute the material in any medium or format, provided that proper attribution is given to the author(s) and the published source. The publishers, authors, and editors are not responsible for errors or omissions, or for any consequences arising from the application of the information presented in this book, and make no warranty, express or implied, regarding the content of this publication. Although the publisher, authors, and editors have made every effort to ensure that the content is not misleading or false, they do not represent or warrant that the information-particularly regarding verification by third parties-has been verified. The publisher is neutral with regard to jurisdictional claims in published maps and institutional affiliations. The authors and publishers have made every effort to contact all copyright holders of the material reproduced in this publication and apologize to anyone we may have been unable to reach. If any copyright material has not been acknowledged, please write to us so we can correct it in a future reprint.

Preface

This book offers a comprehensive exploration of the evolving landscape of machine learning (ML) and deep learning (DL). It begins with a detailed overview of modern architectures and trends in Chapters 1-3, ………..

Author Name

Author Name

Author Name

Table of Contents

**Please note: You do not need to prepare the table of contents. It will be handled by our team during the copy-editing stage**



Deep Science Publishing, 2025

https://doi.org/

**Chapter 1: Artificial Intelligence**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 2: Kindly read the guidelines provided at the end of this document**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 3: Artificial Intelligence**: **You must use the styles given in the Home menu to keep the formatting consistent**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 4: You must use the styles given in the Home menu to keep the formatting consistent**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 5: You must use the styles given in the Home menu to keep the formatting consistent**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 6: Artificial Intelligence**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 7: Artificial Intelligence**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 8: Artificial Intelligence**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 9: Artificial Intelligence**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 10: Artificial Intelligence**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 11: Artificial Intelligence**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 12: Artificial Intelligence**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 13: Artificial Intelligence**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 14: Artificial Intelligence**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

Abstract **(Optional but good for indexing):** (Size 10) Kindly read the guidelines provided at the end of this document.

**Keywords:** (Size 10) 5-6 keywords.

**1 Introduction**

The (Size 11)

**Chapter 15: Template Formatting Guidelines**

First Author 1, Second Author 2, Third Author 3

*1 Department, University, State, Country. (Size 9 &italic)*

*2 Department, University, State, Country.*

*3 Department, University, State, Country.*

**Abstract (Optional but good for indexing):** (Size 10) The pages size should be set to ISO B5, measuring 176 mm X 250 mm, with margins: Top, Left, Right: 20mm, Bottom: 25mm. Use Times New Roman font with spacing 1.15 throughout the manuscript for consistency and readability. Ensure all the figures and tables cited in the paragraphs. Ensure all the citations listed in the references section. Use APA citation style for both in-text citations and the reference list (Chauhan & Singh, 2018; Shrestha & Mahmood, 2019). For more guidance, refer to the citation and reference style of this paper: <https://www.sciencedirect.com/science/article/pii/S2210670723001737>

**Keywords:** (Size 10) 5-6 keywords arranged alphabetically and separated by commas.

**1 Introduction**

Deep Science Publishing, 2025

https://doi.org/

The pages size should be set to ISO B5, measuring 176 mm X 250 mm, with margins: Top, Left, Right: 20mm, Bottom: 25mm. Ensure all the figures and tables cited in the paragraphs. Ensure all the citations listed in the references section. **Use Times New Roman of size 11 and spacing 1.15 for text. Use APA citation style for both in-text citations and the reference list**. **For more guidance, refer to the citation and reference style of this paper:** <https://www.sciencedirect.com/science/article/pii/S2210670723001737>

These technologies adoption and expansion have been accelerated by the rapid advancement of processing power and the wealth of available data (Shinde & Shah 2018; Shrestha & Mahmood, 2019; Dargan et al., 2020). The ML and DL architectures, which are the foundation of these technologies, have made significant progress and shown remarkable capabilities in tasks such as natural language processing, autonomous systems, and image and audio recognition. ML models come in a variety of architectures, from basic linear regression models to intricate neural networks, designed for different tasks and types of data (Chauhan & Singh, 2018; Sengupta et al., 2020; Alzubaidi et al., 2021).



**Fig. 1.1** Use styles for **QUICK formatting** Chapter title, Authors Name, Sections, Sub-section, and Body Text

1.1 Artificial Intelligence

Table 1.1 shows the key architectural innovations and enhancements in ML and DL.

1.2 Machine Learning

Table 1.1 shows the key architectural innovations and enhancements in ML and DL.

2 **Literature review**

Fig. 1.1 shows the co-occurrence analysis of the trending keywords in ML. Table 1.1 shows the key architectural innovations and enhancements in ML and DL. Ensure that all tables and figures are properly cited within the text.

3 Methods and materials

Fig. 1.1 shows the co-occurrence analysis of the trending keywords in ML. Table 1.1 shows the key architectural innovations and enhancements in ML and DL.

4 Results and discussions

Fig. 1.1 shows the use of styles created for formatting your book Table 1.1 shows the key architectural innovations and enhancements in ML and DL.

A screenshot of a computer

AI-generated content may be incorrect.

**Fig. 1.2** Page size

A screenshot of a computer

AI-generated content may be incorrect.

**Fig. 1.3** Page margin

**Table 1.1** Key architectural innovations and enhancements in ML and DL. Text within tables should be set in size 10.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **References** | **Architectural Innovation** | **Description** | **Enhancements** | **Key Applications** |
| 1 | (Shrestha & Mahmood, 2019; Aziz et al., 2020; Deng, 2014) | Convolutional Neural Networks (CNNs) | A category of deep neural networks predominantly employed for scrutinizing visual stimuli. | Noteworthy advancements encompass. | Disciplines of interest encompass. |
| 2 | (Alzubaidi et al., 2021; Janiesch et al., 2021; Wu & Xie, 2022) | Recurrent Neural Networks (RNNs) | Neural network architectures characterized | Distinctive enhancements embrace proficient handling of sequential datasets. | Application domains. |

Conclusions

Transformer-based models such as BERT have caused a significant change in the field of NLP and consistently establish higher levels of performance. These models use self-attention mechanisms to better capture contextual information compared to traditional RNNs and CNNs.

References

Alom, M. Z., Taha, T. M., Yakopcic, C., Westberg, S., Sidike, P., Nasrin, M. S., ... & Asari, V. K. (2019). A state-of-the-art survey on deep learning theory and architectures. electronics, 8(3), 292. (Size-10) Use APA style for both in-text citations and the reference list. For more guidance, refer to the citation and reference style of this paper: <https://www.sciencedirect.com/science/article/pii/S2210670723001737>

Alzoubi, Y.I., Mishra, A. & Topcu, A.E. (2024). Research trends in deep learning and machine learning for cloud computing security. Artif Intell Rev 57, 132.

Alzubaidi, L., Zhang, J., Humaidi, A. J., Al-Dujaili, A., Duan, Y., Al-Shamma, O., ... & Farhan, L. (2021). Review of deep learning: concepts, CNN architectures, challenges, applications, future directions. Journal of big Data, 8, 1-74.

Angulakshmi, M., & Deepa, M. (2021). A review on deep learning architecture and methods for MRI brain tumour segmentation. Current Medical Imaging, 17(6), 695-706.

Avci, O., Abdeljaber, O., Kiranyaz, S., Hussein, M., Gabbouj, M., & Inman, D. J. (2021). A review of vibration-based damage detection in civil structures: From traditional methods to Machine Learning and Deep Learning applications. Mechanical systems and signal processing, 147, 107077.

Aziz, L., Salam, M. S. B. H., Sheikh, U. U., & Ayub, S. (2020). Exploring deep learning-based architecture, strategies, applications and current trends in generic object detection: A comprehensive review. Ieee Access, 8, 170461-170495.

Manuscript Submission Checklist:

1. Page size set to 176 mm x 250 mm?
2. Margins: Top, Left, Right: 20mm, Bottom: 25mm?
3. Are all figures and tables cited within the text?
4. Are all citations listed in the reference section?
5. Text in Times New Roman, size 11, spacing 1.15?

Need Help with Formatting?

If you have any formatting issues or need personal assistance, please email us at [editor@deepscienceresearch.com](mailto:editor@deepscienceresearch.com) for support.