**NAME**      **Dipanwita Chakraborty Bhattacharya**

**Designation**    **Assistant Professor (Scale-I, W.B.E.S) & HoD**
**Subject**        **Computer Science**
**Email:**         **dcb.wbes@gmail.com**
**LinkedIn :**     **https://www.linkedin.com/in/dipanwita-chakraborty-52175827/**

**Specialization:**   Machine Learning, Deep Learning, Computer Vision.

**Major Interest Areas:** Digital Circuit Design, Database Management System, Computer Architecture and Organization, Computer Network and Information System, Theory of Computation. Python programming.

**Academic Credentials:**

- M.Tech. In Computer Science & Engineering (2011-13): University of Calcutta, West Bengal, India
- M.Sc. In Computer and Information Science (2009-11): University of Calcutta, West Bengal, India
- B.Sc. In Computer Science (2006-09): Barrackpore Rastraguru Surendranath College, under University of Calcutta, West Bengal, India

**Teaching Experience**

- Bethune College – 19th Feb, 2015 – 10th Jan,2025
- P.R. Thakur Govt. College – 11th Jan,2025- Till date

**Courses taken:**

- Undergraduate courses in Computer Science as per University of Calcutta Syllabus (CBCS and NEP)
- Supervision of Undergraduate final semester project

- Undergraduate courses in Computer Science as per West Bengal State University Syllabus (CBCS and NEP)

## Research Interest:

- Deep Learning
- Machine Learning
- Computer Vision
- Large Language Models
- Generative AI

## Research Experience:

- Worked as a **Visiting Scholar/Scientist at Department of Computer Science, Florida State University, Florida, USA** under supervision of **Prof. Piyush Kumar** from February,2022 to July,2023.
- Worked in a project "**Food Safety and Security**" on IoT Analytics and Machine Learning at University of Calcutta.
  About the project- This project is a collaboration work between University of Calcutta and University of Florida.
  Principal Investigators - Prof. Swarup Bhunia, Department of ECE, University of Florida and Prof. Amlan Chakraborti, Department of Computer Science.

## List of Books/Book Chapters:

- Contributed as an author of a book chapter named "**Impact of Healthcare 4.0 Technologies for Future Capacity Building to Control Epidemic Diseases**" in the Book "**Smart Healthcare System: Security and Privacy Aspects**" published by Scrivener Publishing partnering with Wiley Books.
  First published: 17 June 2021
  Online ISBN: 9781119792253 DOI: 10.1002/9781119792253

## List of Honours/Awards:

- Awarded **Best Paper in Track-4-AI for Interdisciplinary Studies and Innovation** at the **9th International Conference on Data Management, Analytics & Innovation 2025,** held in Kolkata.
- Awarded Teaching Assistantship under a national project Technical Education Quality Improvement Programme of Government of India (TEQIP) during M.Tech. Final year in 2012.
- Qualified National Eligibility Test (NET) in Computer Science, June 2012
- Qualified Graduate Aptitude Test in Engineering (GATE) in Computer Science, 2013

**Editor/or Editorial Board Member/Reviewer**:

Worked as a Sub-reviewer/External-reviewer in the **9ᵗʰ International Conference on Data Management, Analytics & Innovation 2025**.

**Lecture Presentations:**

- Delivered **Invited Lecture Series** on "**Java- a powerful tool for Software Development**" and "**How to design games using Java Open Graphic Language(JOGL)**" to the Department of Computer Science, Vidyasagar College on 15.11.2016 and 16.11.2016 respectively.

- Delivered **Invited Lecture Series** on "**Cloud Computing: Innovations and Real-World Impact**" and "**Security breaches on Cloud Computing**" to the Department of Computer Science, Vidyasagar College on 14.09.2017 and 15.09.2017 respectively.

- Conducted a series of lectures on **Information Security** to the Department of Computer Science, Vidyasagar College during May,2024.