



Arnab Das

Contact Information

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Summary

Highly motivated and experienced computer science professional with 10+ years of experience in teaching. Seeking a challenging position to leverage expertise in developing innovative solutions and contributing to advancements in the field. Proven ability to deliver engaging instruction, manage academic processes, and contribute to research initiatives.

Education

- **M.Tech (Computer Science Engineering)**, WBUT, 2014, GPA: 8.8
- **Master in Computer Applications (MCA)**, WBUT, 2007, GPA: 8.22
- **Bachelor of Computer Application (BCA)**, The University of Burdwan, 2004, Marks: 63.4%
- **Higher Secondary**, WBCHSE, 2001, Marks: 55.5%
- **Madhyamik Pariksha**, WBBSE, 1999, Marks: 72.375%

Professional Experience

- **Assistant Professor, CSE department (Swami Vivekananda University) (1st August 2025 till date)**
- **Assistant Professor, IHRM, Kolkata (affiliated to MAKAUT) (August 2014 – March 2025)**
 - Developed and delivered curriculum for 10+ BCA courses, including C, Java, and Data Structures.
 - Increased student engagement by 15% through the implementation of interactive teaching methodologies.
 - Mentored 50+ students in their final year projects, resulting in an 80% on-time completion rate.
- **Associate (Examinations), Netaji Subhas Open University (August 2010 – August 2012)**
 - Managed examination logistics for a large number of students.
 - Ensured the smooth and secure handling of examination materials.
- **Software Test Engineer, Webtek, Kolkata (October 2009 – March 2010)**
 - Conducted software testing, including test case development and execution.

- Identified and documented software defects.
- **Lecturer, APEX Management Institute, Durgapur (October 2008 – September 2009)**
 - Delivered lectures on computer science subjects to undergraduate students.
- **Lecturer, The New Horizon Institute of Technology, Durgapur (March 2008 – September 2008)**
- **Junior IT Executive, Limtex Infotech Limited, Kolkata (August 2007 – January 2008)**

Skills

- **Programming Languages:** C, C++, Java, Python
- **Databases:** DBMS
- **Core Computer Science:** Data Structures & Algorithms, Computer Networks, Software Engineering
- **Artificial Intelligence & Machine Learning:** Foundations of AI, Machine Learning Algorithms, Deep Learning
- **Other Skills:** Curriculum Development, Teaching, Project Management, Research

Certifications/Courses

- The AI Engineer Course 2025: Complete AI Engineer Bootcamp, Udemy
- Python for Data Science, NPTEL-AICTE Faculty Development Programme

PATENTS & INTELLECTUAL PROPERTY

- **UK Patent 6491263:** AI-Based Telecommunication Device for 5G Vehicular Network Resource Management (Dec 2025).
- **UK Patent 6488891:** Surgical Robotic Arm Assembly with Integrated AI Camera Housing (Dec 2025).
- **UK Patent 6487807:** Smart Budgeting USB Drive (Dec 2025).

Publications

- “LAD-IDS: LightGBM-Assisted Density-based Intrusion Detection System for High-Fidelity Threat Scoring in IoT Networks”, Laboni Sarkar, Arnab Das, Ranjan Kumar Mondal, International Conference on Sustainable Developments in Computer Engineering, Green Technology & Smart Systems (ICSDDS-2025), Dec 20–21, 2025
- “Cyber-Organisms, AI and Future of Education,” Arnab Das, Chapter selected for Pedagogy to Cybergogy - Education 5.0 Promises, theories, Methods and Designs, Lambert Academic Publications, 6th January 2025, ISBN-10: 6208421489
- “ADVANCEMENTS IN HEALTHCARE THROUGH MACHINE LEARNING: A COMPREHENSIVE OVERVIEW OF TOOLS AND APPLICATIONS,” Arnab Das,

International Journal of Innovative Research in Technology, Volume 10, Issue 11, April 2024

- “Healthcare Fraud Detection using Machine Learning,” Arnab Das, International Journal of Creative Research Thoughts, Volume 12, Issue 4, April 2024

- Interconnected Threads: Exploring the Ad Hoc Network Paradigm, Arnab Das, Chapter selected for Futuristic Trends in Network & Communication Technologies, IIP Series (IIPV3EBS13_G07), September 2023.
- Enhancing DSR Routing Protocol to predict optional path using Dragonfly and Artificial Bee colony Algorithm in MANET, Arnab Das, Biswapati Jana, 2nd International Conference on Advance Computing and Applications (ICACA 2021), March 27 – 28, 2021
- Comparative analysis of bio-inspired dragonfly and honeybee algorithm-based routing protocols with the ant colony algorithm for MANET, Arnab Das, Biswapati Jana, 6th International Conference on Emerging Applications of Information Technology (EAIT 2020), Jointly organised by the Computer Society of India Kolkata Chapter and The Department of Computer Science & Engineering, University of Kalyani, Feb 25 - 27, 2021
- A New Efficient Swarm-based Routing Protocol for MANET Exploiting DRAGONFLY with HONEY BEE, Arnab Das, Biswapati Jana, International Virtual Conference on Innovative Applications of Computational Intelligence on Power, Energy and Control with their Impact on Humanity (VCIPECH) 2020, held virtually at KIET Group of Institutions, Ghaziabad, on 06-07 Nov. 2020.
- “A Novel routing protocol for MANET,” Raj Kumar Samanta, Arnab Das, Seminar on Cooperative System for Next Generation Networks, The Institution of Engineers (India), 27.04.2014
- "Secured cloud computing network using Honey pot system—a perspective," proceedings of “Ethical Hacking—Issues & Challenges (EHIC-2012),” 20th November 2012, Dept. of IT and Computer Science, Dr. B. C. Roy Engineering College, Durgapur, and IEEE Communication Society, Kolkata Chapter, and Internet Security, India Kolkata Chapter.

Declaration

I, Arnab Das, hereby declare that the above information is true and accurate to the best of my knowledge.

Date:

Place:

Arnab Das