

Debjit Ghosh

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Profile

Aspiring to utilize my MNC level expertise in Software development, academic level experience as an Assistant Professor in Computer Science & proven ability to manage diverse student mindsets, fostering their growth and potential. I aim to contribute to innovative projects & educational initiatives that combine technical knowledge, leadership skills, and a passion for nurturing talent in dynamic environments.

Experience

Assistant Professor, Computer Science, Adamas University, Kolkata, West Bengal November 2024 - Current

- Delivering theory and lab classes on subjects including Python Programming, Data Analysis, Full Stack, Data Structures & Algorithms.
- Guiding a group of 15 B.Tech 2nd-year students on an interdisciplinary project of analyzing various supervised and unsupervised ML algorithms.
- Developing an industry-level online Machine Learning course using Python to provide hands-on experience with real-world data.
- Serving as the Coordinator for the 1st-year CSE Department, managing a batch of 60 students.

Software Engineer 2, HCL Tech, Noida, Uttar Pradesh

August 2022 - November 2024

- Worked on the Product Development team of Dryice AI which leverages Machine Learning & Natural Language Process for understanding the most common issues, recommends the relevant solutions & resolves them autonomously.
 - Conducted data analysis, feature engineering to optimise the ML models and proprietary algorithms by 17%.
 - Developed Recommendation Systems and Ticket Automation solutions using Python.
 - Integrated generative AI capabilities into products to enhance functionality & innovation by 23%, ensuring product development aligns with high security and development standards.
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Education

M.Tech in Computer Science and Engineering

Indian Institute of Engineering Science and Technology, Shibpur

Aug 2020 - July 2022

GPA: 9.38

B.Tech in Computer Science and Engineering

Academy of Technology, Hoogly, India

Aug 2015 - July 2019

GPA: 8.76

Skills

Technical Skills : Data Structures & Algorithms, Python, OOPs, DBMS, Machine Learning, Data Analysis, AI

Soft Skills : People Management, Communication, Adaptability, Analytical thinking, Team work

Projects

- **DRYiCE iAutomate – HCL Software, In-House Development (Offsite)**
 - DRYiCE iAutomate is an AI-powered runbook automation product using Natural Language Processing (NLP) to automate IT operations, incident remediation & task automation.A
 - **Thesis - An Alternate Discrete Genetic Algorithm using Supervised Learning**
 - Implemented an alternate Discrete Genetic Algorithm that replaces crossover operators with multiple-source population generation using supervised learning mechanisms.
 - **Modified Ramanujan Series**
 - Worked on the drawbacks of existing Ramanujan's infinite series and explored alternative scenarios.
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Achievements

- Qualified UGC-NET in Computer Science and Engineering.
- Qualified GATE with 95 percentile in Computer Science and Engineering.
- Received the 'Excellent Performer' badge for 2 consecutive years (2023, 2024) at HCL Technologies.
- Treasurer of the Computer Science & Engineering Society (2021-22) – Indian Institute of Engineering Science and Technology.