INDRAJIT BISWAS

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3rd year B.Tech. Computer Science student at MCKV Institute of Engineering with good academic record and keen interest in Artificial Intelligence and Machine Learning, and love communicating with people, also good with team leading and management.

Education

- **B.Tech, Computer Science & Engineering**
  2023-27
  MCKV Institute of Engineering, MAKAUT, CGPA – 9.22/10 (current)
- **12th (Higher Secondary Examination)**
  2023
  WBCHSE, 87%
- **10th (MADHYAMIK /Secondary Examination)**
  2021
  WBBSE, 98%

Skills

- Leadership
- Team Management
- Communication Skills
- Critical Thinking and Problem Solving
- Proficiency in MS Office

- Programming Languages – Python, C, Java
- DSA
- Fuzzy Logics, proficiency in MATLAB
- Web Technologies – HTML, CSS
- Machine Learning

Experience

- **Management Lead — GDG On Campus, MCKVIE | GDG on Campus MCKV Institute of Engineering - Howrah, India**
  Sep'25 – Present
  As the Management Lead for GDG On Campus MCKVIE, I'm responsible for driving the operational backbone of our community. I lead event planning and coordination, manage cross-team communication, and ensure smooth execution of workshops, tech sessions, and campus initiatives. I work closely with the core team to optimize workflows, support community engagement, and help create impactful learning experiences that promote growth, collaboration, and innovation among student developers.
- **Campus Ambassador | Unstop**
  July'25 – Present
  Working with Unstop to represent them on my campus, introducing students to their platform, explaining how it works, and promoting their various Internships, Competitions and training programs throughout the campus.
- **Campus Ambassador | Eduveda Academy**
  June'25 - July'25
  Working with Eduveda Academy to represent them on my campus, introducing students to their platform, explaining how it works, and promoting their training programs throughout the campus.
- **Intern | YBI FOUNDATION**
  May'25 - July'25
  looking forward to gaining hands-on experience, learning from industry experts, and diving deeper into real-world applications of technology and innovations in Gen-AI.
- **Internshala Student Partner | Internshala**
  Apr'25 - May'25
  Working with Internshala to represent them on my campus, introducing students to their platform, explaining how it works, and promoting their training programs throughout the campus.
- **IIC Innovation Ambassador (IA) | Ministry of Education's Innovation Cell (MIC)**
  June'25- Present
  promoting a culture of innovation and entrepreneurship within the institution by organizing workshops, events, and mentoring sessions and actively engaging with students and faculty to drive idea generation, prototype development, and industry collaboration.
- **Class Representative (CR) | CSE-2 Department, MCKV Institute of Engineering**
  November'23- Present

- **Team Lead & Member**
  Worked on various projects with my team, participating as both a teammate and lead in numerous hackathons, where I've taken on diverse roles, learned various team management techniques, and been a finalist in several of them.

- **Chief Executive Officer | Chitrakalpa (Own Start-up based company)**
  Mar'25- Present
  Serving as CEO in my own digital marketing agency startup, Chitrakalpa, where I oversee internal affairs, including technical development and management.

Academic Project

Adaptive Traffic Flow Simulation Using Graph Algorithms and Visual Analytics **Feb-May'25**
This project addresses the persistent issue of urban traffic congestion by proposing an adaptive traffic flow simulation using classical graph algorithms—Dijkstra's and Bellman-Ford—augmented with real-time adaptability and visual analytics. The city road network is modeled as a weighted graph, where nodes represent intersections and edges denote roads with variable weights reflecting congestion or incidents. The simulation dynamically updates these weights in response to traffic events like accidents or blockages, enabling real-time rerouting. Visualizations using tools like Matplotlib or Plotly help monitor traffic patterns and evaluate algorithmic performance. The approach offers low computational overhead and high interpretability, making it suitable for urban planning, educational purposes, and integration into smart city systems. Though the model does not predict future traffic behavior, it establishes a lightweight, modular framework for responsive traffic management and opens avenues for incorporating real-time data and machine learning in future iterations. As a lead of the team, I believe that working in a team helps me enhance my leadership and team management skills.

Trainings, Workshops & Certifications

- **Introduction to Large Language Models (LLMs) | NPTEL**
  Aug-Nov'25
- **Python for data Science | NPTEL**
  Aug-Oct'25
- **Introduction to Prompt Engineering | Simplilearn**
  June'25
- **GfG 160 - 160 Days of Problem Solving (With Summer Workshops) | GeeksforGeeks**
  Dec'24-May'25
- **TCS iON Career Edge - Young Professional | TCS iON**
  May'25
- **Programming, Data Structure and Algorithms using Python | NPTEL**
  Jan-Mar'25
- **Introduction to Machine Learning | NPTEL**
  Jan-Apr'25
- **Internship & Job Preparation training | Internshala**
  May'25
- **Introduction to Java | SOLOLEARN**
  Aug-Oct'24
- **The joy of Computing Using Python | NPTEL**
  Jan-Mar'24

Achievements

- 2nd Runner-up in the contest "Innovative Idea Competition" under "Nurturing Innovation", 2024, in MCKVIE
- Finalist of **Clash of Codes '24,** IIT Madras
- Finalist of **CMR HACKFEST 2.0 '25,** CMR College of Engineering and Technology
- Finalist of **Cognitive Intelligence Test 8.0 '25,** National Institute of Technology, Durgapur

Extra-curricular Activities

- Exploring Tech Incidents
- Have undergone 8 years of formal training in drawing (2011-19)
- Hobbies include reading Bengali sci-fi and detective novels, and writing poetry
- Watching Cricket matches