



Shounak Mandal

Enrollment No: 12022002018032

B.Tech in Computer Science and Business Systems
Institute of Engineering and Management, Kolkata

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GitHub

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Education

Institute of Engineering and Management

B.Tech. in Computer Science and Business Systems

CGPA : 8.77 / 10.00

Aug 2022 - Jun 2026

Kolkata, India

DAV Model School, Durgapur

Class XII, CBSE

Grade: 80.8%

2020 - 2022

West Bengal, India

St. Peter's School, Durgapur

Class X, ICSE,

Grade: 88.33%

2009 - 2020

West Bengal, India

Project Work

- **AI Interview Mocker:**
 - Designed and implemented a full-stack mock-interview platform enabling users to schedule, join, and review AI-generated technical/HR interview sessions.
 - Built secure REST APIs, integrated real-time video/audio interaction with **WebRTC**, and developed automated feedback analytics using **OpenAI LLM**.
 - **Tech Stack:** React.js, Node.js, Express.js, MongoDB, WebRTC, OpenAI API.
- **Education ERP System:**
 - Built a web-based ERP for educational institutions with **user authentication** and **role-based access**.
 - Integrated **AI-powered suggestions** for student performance insights.
 - Designed a responsive UI using **React.js** and **Tailwind CSS**.
 - **Tech Stack:** React.js, Node.js, Express.js, MongoDB, JWT, AI models.
- **Travel Itinerary Planner:**
 - Developed an AI-powered travel assistant using **Gradio** and **Langchain**.
 - Integrated **ChatGroq's Llama 3.3-70B model** for natural language processing, ensuring accurate and user-centric itinerary recommendations.
 - **Technologies:** Gradio, LangChain, Groq, Python.

Experience

Edunet Foundation (in collaboration with Microsoft & SAP)

Jan 2025 – Feb 2025

Artificial Intelligence Intern

- Integrated AI models for real-time health recommendations based on user inputs.
- Developed backend logic using Python, TensorFlow, and NLP for health insights and query responses.

Skills

Languages: C/C++, Python, Java, JavaScript

Database Systems: MySQL, MongoDB, Oracle Live SQL

Data Science Frameworks: TensorFlow, PyTorch

Web Technologies: HTML, CSS, ReactJS, REST APIs, Express, NodeJS

Cloud & DevOps: AWS (EC2, S3, Lambda, DynamoDB, IAM), Google Cloud (Compute Engine, Firebase)

Version Control: GitHub, Linux

Awards and Certificates

- **Goldman Sachs** : Operations Job Simulation.
- **Accenture** : Software Engineering Job Simulation.
- **AWS** : AWS Fundamentals Specialization.
- **Microsoft** : Azure Fundamentals Cloud Skill, AI Skills.
- **Oracle** : APEX Utsav 2024 & 2025 Conference.
- **Google** : Foundations of Project Management, Cyber Security.