

# Uttam Mahata

✉ mahatauttam0408@gmail.com    ☎ 9679244057    📍 Medinipur    🔗 LinkedIn    📁 Portfolio    🐙 Github    🏆 Leetcode

## Education

**Indian Institute of Engineering Science and Technology, Shibpur,**  
Bachelor of Technology in Computer Science and Technology [🔗](#)  
CGPA: **9.04 (Till 6th Semester)**

2022 – 2026 | Howrah, India

## Professional Experience

**Alpha AI Service Pvt Ltd,** Software Development Intern (Remote)

Jun 2025 – Aug 2025 | New Delhi, India

- Integrated advanced content generation and features using **Gemini and Langchain**, supporting over **10** distinct content types for content generation platform.
- Built and optimized **15+** scalable, stateless AI service endpoints using **Python (FastAPI, Flask)**, reducing latency by **16%** and enabling robust communication between client backend and AI modules.
- Developed a **FastAPI**-based backend for the travel assistant mobile app, implementing **6+** AI-powered services including trip planning, landmark recognition, cultural insights, with **MongoDB** for storage and **JWT**-based authentication for secure user access.
- Developed a Generative AI-based voice generation platform, achieving **~90%** speech synthesis accuracy and deployed a user-friendly React interface for real-time interaction.

## Projects

**CourseWagon – AI-Powered Course Authoring & Management Tool** [🔗](#)

Aug 2024 – present

- Developed a Generative AI-powered course authoring tool using **Angular** and **Flask**, automating curriculum generation via **Gemini** API and reducing manual effort by **60%**. Deployed using **Docker** on **GCP** with role-based access control.

**BAFCC - Football Coaching Camp Management System** [🔗](#)

May 2025 – Jun 2025

- Developed a comprehensive web application for managing football coaching camp operations, utilizing **React (TypeScript)** for the frontend and **Python (FastAPI)** for the backend.
- Designed and deployed a modular financial dashboard and application service, enabling **100+** application records and real-time financial data management with role-based access control.

**Winners Education** [🔗](#)

Jun 2023 – Jun 2024

- Built a Coaching Institute Management System using **Angular**, **Spring Boot**, and **MySQL**, enabling seamless course and exam tracking for **100+** students, with secure admin and student modules.
- Designed a scoreboard management system with PDF export for question papers, leveraging **Spring Boot** and PDF libraries, automating offline exam result processing and report generation.

## Skills

**Programming Languages:** C/C++, Java, Python, TypeScript

**Web Development:** Frontend: Angular, React, TypeScript, HTML, CSS | Backend: Flask, FastAPI, Spring Boot

**Technical Skills:** Data Structures and Algorithms, Computer Architecture & Organization, Computer Networks, Operating Systems, Database Management Systems

**Other:** Git, GitHub, Bitbucket, Google Cloud, Linux, Firebase, Docker

## Acheivements

**Brain Dead Hackathon, IIST Shibpur**

Mar 2025 | Howrah, India

Secured **2nd** position among **123** teams in the Inter-University Data Science & Machine Learning Hackathon organized by IIST Shibpur.

**Mi India Scholarship 2021**

Awarded the Mi India Scholarship 2021 by Xiaomi India & Buddy4Study for academic excellence in Class 12.