Subhajit Das

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Profile

Aspiring **Electronics and Communication Engineering** student passionate about building impactful technology solutions. Strong interest in **embedded systems, IoT, web development, and applied machine learning**. Experienced in developing full-stack web applications and integrating real-world APIs.

Education

Kalyani Government Engineering College — Nadia, West Bengal
B.Tech in Electronics and Communication Engineering — *2024 – 2028*

Ramakrishna Vivekananda Mission — Barrackpore, West Bengal
Higher Secondary (Science) – PCM — Percentage: 86.4% — *2022 – 2024*

Ramakrishna Vivekananda Mission — Barrackpore, West Bengal
Secondary (Class X) — Percentage: 90% — *2022*

Technical Skills

Languages: C, C++, Python, JavaScript
Web & Backend: React, TailwindCSS, HTML, CSS, Flask, Node.js, Express.js
Databases & ML: MongoDB, scikit-learn (MLP Classifier)
Embedded & Tools: ESP32, Arduino, Sensors, Git, GitHub, VS Code, Postman

Experience & Highlights

Smart India Hackathon (SIH) 2025
Team Member

- Collaborated with a multidisciplinary team on ideation, system design, and solution development
- Project advanced to the waiting list for the final round after internal evaluation

Zero's Arena Hackathon 2025
Hackathon Participant

- Developed "Sign Speak Tutor", an application to assist users in learning sign language (Certificate of Participation)

Projects

Moodify – Mood Based Music Recommender
React, TailwindCSS, Spotify Web API — *2025*

- Built a responsive mood-based music recommender using Spotify Web API with secure authentication

Disease Prediction App
Python, Flask, scikit-learn (MLP) — *2025*

- Developed an ML-powered web app to predict diseases from user-reported symptoms and deployed on Render

Estatein – Full Stack Real Estate Platform
React, Node.js, Express, MongoDB — *2025*

- Implemented a full-stack real estate platform with Google OAuth, search, and database-driven listings

Bluetooth RC Car – Wireless Robotic Vehicle
Arduino Uno, HC-05, L298N — *2025*

- Designed a Bluetooth-controlled 4WD robotic car using UART communication and dual H-bridge motor control

Languages

English, Bengali, Hindi