Soumyajit Datta

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Introduction

Backend developer with experience in building reliable and efficient systems. Skilled in server-side programming and API development, with a passion for problem-solving and improving technical expertise.

Technical Skills

- **Languages:** C, C++, Python
- **Tech Stack:** Node.js, Flask API, FastAPI
- **Databases:** MySQL, MongoDB
- **OS:** Windows
- **Tools:** PowerPoint, Canva, PostMan, GitHub

Education

Netaji Subhash Engineering College — B.Tech in Computer Science and Engineering   2022-2026
CGPA: 7.04/10 (Upto 6th Smemester)

Projects

- **Alzheimer's Detection System**
  Tech Stack: Node.js, Express.js, MongoDB
  Built a robust Node.js, Express.js and MongoDB backend with secure authentication, integrated AI model for brain MRI analysis, PDF report generation, and doctor-patient report sharing.

- **Posture Detection Web App**
  Tech Stack: React, Python, OpenCV, MediaPipe, Fast API
  Developed a rule-based posture detection web app using React, Fast API, OpenCV, and MediaPipe to classify squat/desk posture and flag incorrect postures in real-time via video or webcam.

- **CardioSense.AI – Heart Disease Prediction**
  Tech Stack: Flask API, Node.js, MySQL
  Built the backend of a cardiovascular risk estimation system with web UI, integrating an ML model that predicts risk from user-provided health parameters.

Work Experience

- **Backend Web Development Intern — Prodigy Infotech**   Feb 2025
  - Worked on backend programming, REST APIs, database integration, CRUD operations, authentication and Redis implementation for caching and efficiency.
  - Received Certificate of Completion and Letter of Recommendation.

Achievements

- **Winner** of VisionHack 24, GNIT.
- **Top 5 finalist** in Hack4Bengal 4.0.
- **4th** in SIH'24, college rounds.
- **Top 10** in DoubleSlash 3.0, IEEE Jadavpur University.
- **Finalist** at Hack-O-NiT'25 and Diversion 2k25.