

# Soumyajit Datta

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🐙 GitHub

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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 Semester)

## 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.