

# Soumyajit Datta

Kolkata, West Bengal

9330912385 — soumyajitdatta1234@gmail.com — GitHub — Portfolio

## Introduction

Backend developer with experience in building scalable solutions. Skilled in Node.js, Express.js, and databases. Passionate about problem-solving and enhancing technical skills.

## Technical Skills

- **Languages:** C, C++, JavaScript
- **Tech Stack:** Node.js, Express.js, PHP, HTML, CSS
- **Databases:** MySQL, MongoDB
- **OS:** Windows
- **Tools:** MS Word, PowerPoint, Canva

## Education

Netaji Subhash Engineering College – B.Tech in Computer Science

CGPA: 7.5/10 — July 2026

## Projects

- **Shabdh.AI – Real-time Sign Language Translator**  
*Tech Stack: WebSockets, Node.js, Express.js, TypeScript, Django*  
Developed a video conferencing app translating Indian Sign Language (ISL) gestures into real-time text and speech using AI and computer vision. Achieved 90%+ translation accuracy through WebSocket-based real-time gesture recognition.
- **Fake Shield – Deepfake Image Detection**  
*Tech Stack: JavaScript, Node.js, SQL*  
Built an AI-powered tool detecting manipulated images and deepfakes with 95% accuracy, enhancing media authenticity.
- **Alzheimer's Detection System**  
*Tech Stack: Node.js, MySQL*  
Developed a backend API analyzing brain CT scans to detect Alzheimer's using a pre-trained ML model (.pkl), with secure data handling in MySQL.
- **CardioSense.AI – Heart Disease Prediction**  
*Tech Stack: Flask API, Node.js, MySQL*  
Created an AI-based prediction system evaluating cardiovascular risk based on key health parameters with a user-friendly web interface.
- **RoamBuddy – Smart Travel Companion**  
*Tech Stack: HTML, CSS, Javascript, Node.js, Express.js, MongoDB, Google Maps API*  
Developed a Full-Stack web-based travel assistant that helps users discover, plan, and manage trips with intelligent destination suggestions, route planning, and budget tracking. Integrated Google Maps API for location services, an AI chatbot for user guidance and MongoDB for storing user preferences, trip history, user funds, etc.

## Work Experience

Backend Web Development Intern

Feb 2025

Prodigy Infotech

- Completed backend development internship with hands-on experience in server-side programming and deployment.
- Gained experience with backend tools, database integration, and deployment strategies.
- Received Certificate of Completion and Letter of Recommendation.

## Achievements

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