Ayon Ghosh

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Skills

Languages: C++, Java, Python, JavaScript, Kotlin

Technologies & Tools: Django, Flask, ReactJS, Next.js, Node.js, MongoDB, MySQL,PostgreSQL, Express.js, Arduino, Render, Vercel, GitHub Actions, Android Studio,ArcGIS, QGIS, AutoCAD

Work Experience

Web Developer Intern – Eutropia IT   March 2025 – June 2025

- Built dynamic and responsive web applications using ReactJS, Next.js, and Node.js, integrating industry-used pre-trained AI models to enhance both frontend interactivity and backend intelligence.
- Designed and developed robust RESTful APIs and server-side logic using Node.js, Express.js, and MySQL, ensuring scalable and secure data operations.
- Deployed and maintained applications with Render, Vercel, and GitHub Actions, enabling smooth CI/CD workflows, real-time updates, and reliable version control.
- Collaborated with cross-functional teams to deliver end-to-end features, efficiently handling both frontend implementation and backend architecture.
- Tools used: ReactJS, Next.js, Node.js, MySQL, Express.js, Render, Vercel, GitHub Actions.

Trainee – Geographic Information System,Dhaka WASA   February 2025 – March 2025

- Assisted in updating spatial data for water supply and sewerage systems.
- Digitized pipeline maps, geocoded customer data, and maintained databases.
- Conducted GPS-based field verification and integrated real-time data.
- Collaborated with planners to visualize infrastructure layouts and improve coverage.
- Tools Used: ArcGIS, QGIS, AutoCAD, PostgreSQL, Google Earth

Education

University of Asia Pacific   2021 – 2025   Bachelor of Computer Science
CGPA: 3.50

Relevant Coursework : Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Software Engineering, Embedded Systems, Microprocessors.

Project Work

- **Utopia – Country Management System:** Built with Django featuring healthcare, voting, transport, entertainment, and secure authentication with encrypted voting and payment integration.
- **Smoker-Detector – ML-Based Smoking Prediction:** Developed a Flask web app to predict smoking status using 27 user inputs, achieving 80%+ accuracy. Designed an intuitive UI for seamless data input and result visualization.
- **Medi-Mind – AI-Based Healthcare System:** Built an AI-powered healthcare platform using MongoDB, Express.js, React, and Node.js. Features include disease detection, doctor suggestions, secure payments, and appointment booking.
- **Stock Market Data Management Web App:** Built a full-stack application with React, Django, PostgreSQL, featuring CRUD operations, real-time stock tracking, and interactive data visualizations using Chart.js.