Ayon Ghosh

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Skills

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

Technologies & Tools: Django, Flask, ReactJS, Next.js, Node.js, MySQL, Express.js, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Arduino, Render, Vercel, GitHub Actions, Android Studio

Work Experience

Web Developer & AI Integration   June 2024 – Present
Freelancer | Remote

- Built dynamic and responsive websites using ReactJS, Next.js, and Node.js, integrating industry-used pre-trained AI models to enhance user experience.
- Deployed and maintained applications using Render, Vercel, and GitHub Actions, ensuring smooth continuous deployment, version control, and real-time updates for users.
- Collaborated with external teams to develop projects with real-world applications, handling both back-end and front-end tasks efficiently.
- Technologies used: ReactJS, Next.js, Node.js, MySQL, Express.js, Render, Vercel, GitHub Actions

Event Coordinator – UAP Programming Contest Club   Dec 2023 – June 2024

- Organized and managed competitive programming contests, workshops, and training sessions for students.
- Coordinated event logistics, including problem-setting, scheduling, and participant engagement.
- Collaborated with industry professionals and alumni to arrange mentorship sessions and guest lectures.
- Assisted in promoting coding culture within the university by leading hackathons and coding bootcamps.
- Technologies used: Python, C++, Competitive Programming, Problem-Solving, Event Management.

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, Advance Data Structures and Algorithms, Software Engineering, Embedded Systems, Microprocessors

Project Work

- **Utopia – Country Management System:** Built a Django-based web platform with modules for healthcare, transportation, voting, entertainment, and news. Implemented secure authentication, encrypted voting, and payment integration using AJAX for dynamic updates.
- **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:** Created a Django-powered AI-driven platform for disease detection using ML. Integrated doctor recommendations, guided actions, 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. Ensured scalability through RESTful APIs and optimized database management.

Awards and Certificates

Champion – Omor Ekushey Programming Contest (University Of Asia Pacific), 2023
Champion – Intra University IDEATHON (University Of Asia Pacific), 2022