Noah Immanuel Im

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Professional Summary

- Detail-oriented Computer Science student with strong programming skills in Python, C, and C++. Experienced in developing software solutions—from real-time data monitoring to full-stack web applications and machine learning models. Proven track record in enhancing user experience, driving sustainability initiatives, and collaborating effectively with cross-functional teams.

Technical Skills

Programming Languages: Python, C, C++, HTML, CSS, JavaScript
Web & Frameworks: HTML, CSS, Javascript, React.js, Node.js, SQL
Operating Systems: Linux, Unix, MacOS
Tools & Technologies: Git, Visual Studio Code, Microsoft Excel, Figma

Professional Experience

BayHa Group June 2023 - August 2023

- **Real-Time Monitoring:** Developed a Python tool for monitoring and logging water usage in real time, allowing users to track consumption trends efficiently.
- **Sustainability Alerts:** Integrated features to notify users when water usage exceeded set thresholds, promoting sustainable practices.
- **Data Visualization:** Designed intuitive dashboards with clear visualizations and interactive elements to simplify data interpretation.

Project Experience

Google Developers *(Full-Stack Development)* December 2024 - Present

- **Application Development:** Designing and developing a full-stack web application using React.js, Node.js, and SQL to enable UC Davis students to rate and review off-campus restaurants.
- **Secure Authentication:** Implementing secure user authentication with email domain verification (@ucdavis.edu) to ensure platform exclusivity.
- **Responsive Design:** Building a mobile-friendly interface that effectively displays restaurant profiles, rankings, and student reviews.

Traffic-Flow-Prediction *(Machine Learning Application)* November 2024 - December 2024

- **Predictive Modeling:** Developed a machine learning model using a Random Forest algorithm to predict traffic flow, with a focus on feature engineering and robust data preprocessing.
- **Insightful Analytics:** Created visualizations to analyze traffic patterns and identify feature importance, aiding in intuitive data interpretation.
- **Team Collaboration:** Collaborated closely with team members to ensure efficient project delivery and high model accuracy.

Education

University of California Davis, *School of Engineering* Expected June 2027

Bachelor of Engineering, Computer Science