Rein Mark Del Rosario — Fullstack Developer

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Profile

Dedicated fourth-year university student with rich understanding of the web and data analytics, experienced in developing responsive web design, building versatile databases, and data visualization. Looking for Full-Stack Developer, Data Analyst, or Software Engineer internship roles to expand my knowledge and experience.

Skills

Programming Languages: Python, JavaScript, Typescript, PHP, MySQL, HTML, CSS

Frameworks / Dev Tools: Django, Flask, React, React Native, MySQL, Linux, Git

Technologies: Firebase, Ollama, VS Code, Pycharm, Power BI, Adobe XD, Figma, xampp

Soft Skills: Problem-Solving, Analytical, Adaptability, Communication, Time Management

Projects

IoT-based Flood Monitoring System   May 2025 – Present
Python, React, scikit-learn, Firebase
- Built a web dashboard receiving sensor signals deployed in a specified location for flood monitoring
- Developed two-way sms blasting for immediate emergency response
- Implemented a flood prediction model receiving live data and weekly retraining

AI Food Recommendation App   Feb 2025 – May 2025
React Native, Expo, Django, Ollama (gemma3:4b)
- Built a mobile application that recommends food recipes according to user dietary preferences, budget, and allergies, with an image recognition feature.
- Incorporated gemma3, a large language model locally hosted through ollama.
- Setup django user authentication for user account integration.

Advanced Encryption Standard Tool   Sep 2024
Python, Django, JavaScript
- Developed a web app that encrypts and decrypts data input using the Advanced Encryption Standard algorithm
- Deployed four modes of operation: ECB, CBC, CFB, OFB in varied key sizes
- User can specify custom key or custom iv if applicable

Education

Bachelor of Science in Computer Science | GWA: 1.59   Sep 2022 – present
University of Perpetual Help System DALTA – Molino
 <u>Relevant Coursework:</u> Design, Analysis and Algorithms, Operating Systems, Discrete Structures, Artificial Intelligence, Data Mining, Database Systems, Information Assurance and Security, Networking and Communication, Web Systems and Technologies

Certificates and Training

Certiport Python IT Specialist — December, 2024

Alison Introduction to Memory Management — November, 2024

Cisco Introduction to Cybersecurity — November, 2024

References

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