Putu Gede Pradana Adnyana

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Summary

Highly motivated and results-oriented Electrical Engineering student with a strong focus in Computer Engineering and Artificial Intelligence. Seeking a challenging role to leverage my technical expertise in machine learning and software development. Proven ability to lead teams, analyze data, and build real-world AI solutions.

Education

Udayana University, BEng in Electrical and Computer Engineering — Sept 2020 – Aug 2024

- GPA: 3.97/4.0 (transcripts)
- **Final Project:** Design of a Web-Based Capstone Project Information System at Udayana University Electrical Engineering Study Program (PSTE Unud)
- **Coursework:** Discrete Mathemathics, Data Structure, Computer Architecture, Software Engineering, Machine Learning, Big Data, OOP

Experience

Artificial Intelligence Engineer Intern, Ruang Guru – Jakarta, Indonesia — Sept 2024 – Dec 2024

- Reduced time to render user buddy lists by 75% by implementing a prediction algorithm
- Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database
- Redesigned chat file format and implemented backward compatibility for search

Product Development Intern, XL Axiata (X-Camp) – Jakarta, Indonesia — Aug 2024 – Aug 2024

- Designed a UI for the VS open file switcher (Ctrl-Tab) and extended it to tool windows
- Created a service to provide gradient across VS and VS add-ins, optimizing its performance via caching
- Built an app to compute the similarity of all methods in a codebase, reducing the time from $\mathcal{O}(n^2)$ to $\mathcal{O}(n \log n)$
- Created a test case generation tool that creates random XML docs from XML Schema
- Automated the extraction and processing of large datasets from legacy systems using SQL and Perl scripts

Projects

Multi-User Drawing Tool — github.com/name/repo

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: C++, MFC

Synchronized Desktop Calendar — github.com/name/repo

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

Custom Operating System — 2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

Technologies

Languages: C++, C, Java, Objective-C, C#, SQL, JavaScript

Technologies: .NET, Microsoft SQL Server, XCode, Interface Builder