Farhan Raditya Aji

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LinkedIn

PROFILE SUMMARY

I am an active student in the Informatics Engineering program at Institut Teknologi Bandung (ITB). I have a deep interest in web and mobile development and continually strive to enhance my skills in these areas through various academic and non-academic activities. Besides actively participating in technology competitions, I am also involved in several organizations and communities that support my career development and expertise.

EDUCATION

BANDUNG INSTITUTE OF TECHNOLOGY Bandung, West Java
Informatics Engineering July 2022 - Present

- GPA 3.23
- Relevant completed courses: Programming Fundamentals, Algorithm and Data Structures, Computer Architecture and Organization, Computational Logic, Object Oriented Programming, Operating System, Database, Algorithm Strategy, Software Engineer, Artificial Intelligence ,and Web Applications Development.

SMAN 3 Yogyakarta Yogyakarta, Special Region of Yogyakarta
Science July 2019 - July 2022

EXPERIENCE

Himpunan Informatika ITB Bandung, West Java
Staff of Career Development Division July 2024 – Present
Key Achievements

- Designed career mentoring programs with alumni to facilitate career development for ITB Informatics students.
- Coordinated with alumni speakers to deliver career development insights for students.
- Work using spreadsheets as a tool for data collection and monitoring

UKM GIM (Ganesha Interactive Media) Bandung, West Java
Member Feb 2023 – Present
Key Achievements

- Developed simple games using Unity engine.
- Participated in game development workshops and seminars.
- Collaborated with peers on game design projects for learning and experience-building.

Wisokto HMIF 2023 Bandung, West Java

Field Division Staff Sept 2023 – Oct 2023

Key Achievements

- Successfully managed the graduate parade to ensure it ran smoothly and on schedule.
- Learned to organize and manage large crowds during university events.

Google Developer Student Club ITB Bandung, West Java

Member in Mobile Development Path Jan 2023 - Nov 2023

Key Achievements

- Gained proficiency in data structures, algorithms, and Object-Oriented Programming (OOP).
- Learned Kotlin programming language.

TPB Cup Futsal 2022 Bandung, West Java

Human Resources Division (MSDM) Des 2022 – Feb 2023

Key Achievements

- Ensured each division fulfilled its duties effectively for the event's success.
- Verified committee attendance to ensure quorum during key meetings.
- Assisted in conflict resolution and team coordination among committee member

PROJECTS

Here are my personal and school projects:

1. Ergo Mobile, a mobile application to help users manage task lists for various projects. It allows users to create, organize, and track tasks, set deadlines, add notes, and prioritize tasks based on urgency.
2. Notes App, a simple mobile app for creating, viewing, editing, and deleting notes. It integrates Firebase Authentication for Google sign-in and uses Hive as a local database.
3. Dot Connect Game, a web based puzzle game where players connect dots on a grid. Features manual and bot-assisted modes for different difficulty levels.
4. The Password Game is a web-based game that challenges players to create passwords following complex rules using string matching algorithms like regex, KMP, or Boyer-Moore. The game features scoring, difficulty levels, and additional functionalities such as save/load, leaderboard, and multiplayer mode..
5. LinkInPurry, A career-focused social media platform built with Node.js and Reactjs. It features real-time chat, JWT authentication, user connections, and post feeds. Notifications are handled using Service Workers and Server-Sent Events. The database uses PostgreSQL.
6. mDBMS, a mini database management system (mDBMS) that includes several components for managing relational databases. The mDBMS consist of five core components: Query Processor, Concurrency Control Manager, Query Optimizer, Storage Manager, and Failure Recovery Manager. Each component is responsible for a specific task, and they work together to execute, optimize, store, manage, and recover data within the system.
7. WikiPaddy, a platform that uses advanced graph traversal algorithms (BFS and IDS) to find the shortest path between Wikipedia articles. Users can input start and end articles and watch the search progress in real-time.

8. Diagonal Magic Cube Solver, web based using local search algorithms like Hill-Climbing, Simulated Annealing, and Genetic Algorithm. Build using NextJs and Flask Python.

SKILLS

Technical(s): Git**,** Figma**,** HTML, CSS, Javascript, C++, Python, ReactJS, NextJS, NodeJS, ExpressJS, TailwindCSS, Dart, Flutter, Flask, PHP, Java, Docker, familiar with Kotlin,C#, VueJS,And Golang.

Language(s): Indonesia (native), English (proficient).