



AZIS AGANTAL

SOFTWARE ENGINEER | ELECTRONICS ENGINEER

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 azis-agantal-personal-portfolio.vercel.app

SUMMARY

A licensed engineer with hands-on experience in programming, web development, database systems, Generative AI, and IoT technologies, supported by published research and hands-on project experience. Always passionate about learning and contributing to innovative, tech-driven environments. Actively building technical skills to contribute to impactful software and engineering solutions.

PROFESSIONAL EXPERIENCE

Project Engineer Associate

May 2025

DIKO Construction Installation

Assisted in various project related tasks (i.e., site inspections, procurement bidding document planning, market surveying) across different agency clients.

PROJECTS

JobParseAI (Ongoing)

An AI-powered application that customizes resumes to match job qualifications. The app goes beyond tailoring resume by offering gap analysis, ATS optimization, dynamic cover letter generation, interview prep, and career progression insights.

LearnOneM2M Agent

Built an autonomous agent capable of teaching users about oneM2M (standards and technical reports, ACME server documentations, ACME CSE implementation codebase) through managing an ACME IoT server via live API calls using oneM2M REST primitives. It is powered by a multi-agent system using a router pattern for parallel execution, sub agent specialization, and clean LLM synthesis output. The RAG architecture is implemented using an agentic approach and paired with BM25 hybrid search to improve search accuracy. Each sub agent is equipped with retriever tools along with other tools optimized for its domain.

Realtor Website Design

Developed a professional, luxury-branded real estate website featuring property listings and client engagement tools. Integrated a Retrieval-Augmented Generation (RAG) AI chatbot to provide intelligent, conversational assistance, enhancing user experience with personalized property recommendations and real-time support.

RickGpt

Developed a simple custom AI chatbot that runs the AI model locally. The app is inspired by the Rick and Morty universe, designed to deliver humorous, character-driven responses while showcasing advanced prompt engineering and conversational AI techniques.

Life Blog

Created and maintain a personal blog that shares reflections, experiences, and lessons learned, blending storytelling with digital publishing.

