

An AI Engineer focused on building and deploying real world AI systems. Experienced in shipping production grade multi agent AI solutions on cloud platforms including AWS and GCP, with strong emphasis on agent orchestration, RAG pipelines, and LLM powered customer applications. Built and deployed context aware chatbots for live customer conversations using LLMs accessed through AWS Bedrock, vector databases on PostgreSQL with the pgvector extension, and FastAPI based backend services.

## Key Skills

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- **AI / ML :** AWS Bedrock , LLM Integration, Prompt Engineering, Chain-of-Thought Reasoning, RAG Pipelines, Vector Databases, Semantic Search, Agentic AI Systems
- **Programming:** Python, SQL, Git control version
- **Frame work:** FastAPI, Pydantic, LangChain concepts
- **Soft skill:** Problem solving, critical thinking ,communication,
- **Cloud and data:** Lambda, Ec2, docker,postgres sql,redis,supabase, Etl pipeline

## Work Experience

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### Qucoon

- **Multi Agent AI Customer Support System for Fintech Commerce**

**March 2025 - Present**

### AI ENGINEER

I architected and implemented a 5-agent system with specialized capabilities, including an Intent Classifier for routing, a Conversation Bot for greetings, a Product Bot for inventory management, a Support Bot for policy guidance, and an Escalation Agent for human handoff. I designed multi-step agent workflows incorporating 7-step chain-of-thought reasoning, tool use such as database queries, vector searches, and LLM calls, memory management through Redis-based conversation history, and concurrent async execution. I implemented prompt templates with dynamic variables, role-based instructions tailored to each agent type, and system prompts specific to product, support, or conversational tasks. I also debugged AI workflows using trace IDs, conversation history inspection, and LLM response validation with automatic fallback mechanisms.

- **AI Powered Document Q and A and Workflow Automation System**

### AI ENGINEER

I built a document-based conversational AI assistant using RAG, implementing confidence scoring and fallback logic for low-certainty responses. I incorporated intent classification to route requests accurately and supported multi-step reasoning for policy interpretation and support workflows. I processed PDFs and text documents into semantic chunks, generated embeddings, and stored them in a vector-enabled database. I exposed the assistant's functionality through REST APIs built with FastAPI and implemented comprehensive logging, error handling, and health checks to ensure reliable operation.

## Projects

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- **Ai powered confidence coach**

[Github](#)

I built **ConfidenceAI**, an AI-powered confidence coaching app designed to provide personalized, explainable, and actionable support. The app leverages **Google Gemini** for context-aware conversational AI, **Streamlit** for a cross-platform interactive interface, and **Pydantic** for type-safe data validation. I implemented real-time confidence scoring, multi-step reasoning for advice, and semantic processing of user inputs to deliver tailored coaching. Users can track progress through visual analytics, set goals, export session data, and receive motivational guidance. I focused on **privacy-first design**, robust error handling, and REST API accessibility, ensuring reliable and transparent AI-driven coaching.

- **Salary Predictor**

[Github](#)

I built **Smart Salary Predictor**, an end-to-end machine learning system designed to predict employee salaries using real-world features like education, experience, location, job title, age, and gender. I developed a full pipeline including data cleaning, exploratory analysis, feature engineering, model training with linear regression, performance evaluation, and visualization. The model achieves  $R^2 = 0.87$  on unseen data, quantifying the impact of key salary drivers while minimizing bias from gender and age. I focused on modular, reproducible code using **scikit-learn pipelines**, delivering actionable insights for HR and business stakeholders.

## Education

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Lagos State University Bachelor of Science (Education), Mathematics and Education

Aug 2021 - Jan 2025