

Aman Obaid

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EDUCATION

Indian Institute of Technology, Madras

Bachelor of Science(B.S) in Programming and Data Science

Chennai, Tamil Nadu, India

2023-2027

Jeevandhara Convent School

Senior Secondary School

Lucknow, Uttar Pradesh, India

2019-2021

EXPERIENCES

Pinch Lifestyle Pvt Ltd | Software Development Engineer I

Gurugram, Haryana | Aug 2024 - Present

2024

Engineered Lynn, an agentic AI concierge living entirely on WhatsApp eliminating app downloads and onboarding friction by delivering enterprise-grade lifestyle management through a familiar chat interface, powered by **LangChain and LangGraph** to autonomously route between web search, e-commerce APIs, travel platforms, and service vendor networks based on user intent, while intelligently escalating complex cases to human operators.

Implemented memory-augmented conversations through a RAG pipeline powered by ChromaDB, enabling Lynn to recall client preferences across months of interactions from remembering that someone's mother is allergic to lilies when ordering flowers, to proactively suggesting vendors based on past satisfaction scores **creating a truly personalized concierge that gets smarter with every conversation.**

Built the conversational infrastructure connecting WhatsApp Business API to custom backend services through event-driven architecture, handling real-time message routing, context management, and asynchronous task orchestration that processes natural language requests and coordinates service fulfillment across multiple vendor integrations.

PROJECTS

Quiz Master | Python, Flask, Jinja2, SQLite Flask_SQLAlchemy

[link](#)

Developed a full-stack multi-user quiz application using Flask, Jinja2, and SQLite, enabling subject-wise and chapter-wise quiz creation and participation.

Designed a comprehensive admin interface with role-based permissions that streamlined content management for 500+ subjects, chapters, and quizzes, improving content creator satisfaction by 30%

Enabled dynamic quiz generation with multiple-choice questions (MCQs), timed quizzes, and automated scorerecording and visualization using Chart.js.

Chat Pod AI | Flutter, Gemini, REST API, Firebase

[link](#)

Piloted an AI chatbot with Gemini API integration, designed to handle 90% of initial user queries and escalate complex issues to human support, freeing up the customer success teams time.

Engineered with Flutter and BLOC pattern to ensure seamless performance across iOS and Android, and maintaining responsiveness across different screen size.

Leveraged Firebase for real-time database management and secure user authentication, ensuring scalable performance and reliable data synchronization across users.

TECHNICAL SKILLS

Languages: Dart, Java, Python

Framework: Flutter, FastAPI, LangChain, LangGraph, Firebase SDK, BLoC, REST APIs

Tools: Git, GitHub, Firebase, Fastlane, Android Studio, ChromaDB, Gemini API, Postman