

SUMITH U

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[LinkedIn](#) | [GitHub](#) | 2000+ contributions in 2025

OBJECTIVES

Backend-focused developer and B. Tech (CSE - AI & ML) candidate specializing in distributed systems and scalable architectures. Built a dialect-agnostic SQL engine, real-time streaming systems, and multi-tenant APIs optimized for low-latency performance. Passionate about designing reliable backend infrastructure and accelerating development workflows using AI-assisted tools.

EDUCATION

Reva University, Bengaluru - 2027

B. Tech - Artificial Intelligence & Machine Learning,
Coursework: AI Automations, Operating Systems, DBMS

PES Polytechnic, Shivamogga - 2024

Diploma - Computer Science and engineering
Coursework: Cloud Computing, DBMS.

SELECTED PROJECTS

• Fluxbase - SQL-to-NoSQL (BaaS) Platform | Jun 2025 – Present - [Link](#)

- Built a dialect-agnostic SQL parser supporting MySQL, PostgreSQL, and Oracle compatibility.
- Engineered a custom AST-based SQL execution engine translating relational SQL queries to Firestore.
- Implemented a real-time analytics dashboard with WebSocket-based streaming telemetry.
- Architected a multi-tenant backend API layer with Redis caching, reducing repeated reads by 35%.
- Built a scalable schema IDE supporting constraints, declarative definitions, and integrity validation.

• GymTrack Lite - SaaS Gym Management Platform | Jan 2025 – Mar 2025 - [Link](#)

- Architected a multi-application SaaS platform (Member Hub, Admin, Owner Dashboard).
- Initially built on Supabase and later migrated to **Fluxbase** for real-time multi-tenant scalability.
- Implemented low-latency member check-ins, session tracking, and synchronized data streaming.
- Designed RESTful backend APIs for membership lifecycle management and secure payment processing.
- Built analytics modules to track user engagement, revenue growth, and operational metrics.

• Reva dates - AI-Powered Dating Platform | Jul 2025 – Jul 2025 - [Link](#)

- Architected an AI-powered matchmaking platform with modular backend architecture.
- Built real-time chat infrastructure with synchronized distributed state updates and message persistence.
- Integrated Google OAuth and **Fluxbase** for secure authentication and scalable cloud data storage.
- Implemented event-driven backend workflow for session management and activity tracking.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript (Node.js), SQL
- **Front-end:** HTML, CSS, Next.js
- **Back-end:** REST APIs, WebSocket, Multi-tenant systems
- **Data Analysis:** NumPy, Pandas, Matplotlib, Power BI
- **Databases:** MySQL, PostgreSQL, Firestore
- **Cloud & Tools:** AWS, Git, VS Code
- **AI tools:** Antigravity, GitHub Copilot, Firebase Studio, Gemini.

CERTIFICATIONS

- Python Developer.
- Data Science and Analytics with Python, R, SQL, Power BI – Udemy.
- Full Stack Development using AI – Reva University.
- Prompt Engineering Applications.