SUJAL

AI DEVELOPER
PYTHON | FASTAPI | MONGODB | BACKEND SYSTEMS

PROFESSIONAL SUMMARY

AI developer with hands-on experience in Python FastAPI and MongoDB. Strong problem solving background with 300+ LeetCode questions. Actively learning LLM agents and machine learning. Focused on building scalable systems powered by AI agents.

CONTACT

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Portfolio: 🔗www.portfolio-link.com↗

TECHNICAL SKILLS

- **Programming Languages**: C, C++, Java, Python, PHP,JavaScript(basic)
- **Backend & Frameworks**: FastAPI, REST API development
- **Databases**: SQL,PL/SQL, MongoDB,Vector db
- **AI and ML:** LLM agents , RAG, prompt engineering, model integration,LangChain, Groq or OpenAI API usage
- **Data Structures & Algorithms**: Strong foundation (DS, problem-solving)
- **Tools & Others**: Git, version control

PROJECTS

LLM-Powered Movie Search Engine

- Keyword based movie search could not understand story driven natural language queries.
- Built a FastAPI application that uses an LLM to refine user queries and search movie data more intelligently.
- Improved search relevance and made movie discovery faster and more intuitive.

Automated Email Engine using LLM and FastAPI

- Users struggle to draft clear emails quickly and automate repeated messaging tasks.
- Built an email engine with FastAPI and LLMs that drafts context aware messages and sends them automatically.
- Improved communication speed and accuracy while showcasing AI integration with real backend workflows.

Real-time Speech-to-Speech AI

- Interacting with AI through typing feels slow and breaks the natural flow of conversation.
- Built a real time pipeline that converts speech to text, processes it with an LLM, and returns responses in natural voice using TTS.
- Enabled natural, hands free AI communication that feels like talking to a human rather than chatting with a bot.

ACADEMIC HISTORY

Pursing BCA | PGGC-11 Chandigarh | 2023 to 2026

12th | HP Board Dharamshala | 2023 | 90.4%