

YUVRAJ JAISWAL

Full Stack Developer | AI/LLM Integration | React + Python | 2 Years Experience

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PROFESSIONAL SUMMARY

Full Stack Developer with 2 years building production applications integrating AI/LLM capabilities using LangChain, OpenAI GPT-4, and RAG pipelines. Experience developing analytics platforms, Text-to-SQL systems, and AI-powered agents serving 1000+ users. Strong foundation in React, Python (Flask/FastAPI), PostgreSQL, and modern full-stack development practices.

TECHNICAL SKILLS

AI/ML: LangChain, OpenAI GPT-4, Multi-Agent Systems, RAG Pipelines, Prompt Engineering, Text-to-SQL

Languages: Python, JavaScript (ES6+), TypeScript, SQL

Frontend: React.js, Redux, Tailwind CSS, Next.js

Backend: Flask, FastAPI, Node.js, RESTful APIs (80+ endpoints), JWT Auth

Databases: PostgreSQL, MySQL, MongoDB, SQLAlchemy ORM

DevOps: Docker, Git, CI/CD, Linux, Nginx

PROFESSIONAL EXPERIENCE

Full Stack Developer | Erasmith Pvt Ltd, Noida

Feb 2024 – Present (*Completed 2-year service commitment*)

AI/LLM Integration:

- Built AI-powered Text-to-SQL query generator using LangChain multi-agent workflows and OpenAI GPT-4, enabling non-technical users to generate complex database reports via natural language (90% accuracy, 65% user adoption)
- Designed few-shot prompt engineering templates with context memory and validation for intelligent PostgreSQL query generation

- Integrated AI capabilities into production analytics platform serving 50+ users with real-time natural language query processing
- Developed ChatGPT-style interface for AI-powered reporting with streaming responses and interactive visualizations

Backend & Full Stack Development:

- Built and maintain 80+ RESTful API endpoints using Flask/FastAPI with JWT authentication and role-based access control
- Created automated ETL pipelines using Pandas to process 5000+ records, normalizing inconsistent data formats
- Optimized PostgreSQL database performance by 45% (12s → 6.6s) through strategic indexing and query optimization
- Developed 10+ production dashboards using React.js and Redux with real-time analytics and KPI tracking

System Design & DevOps:

- Architected microservices infrastructure supporting AI agent workflows and database integrations
- Deployed 100+ applications using Docker and CI/CD pipelines maintaining 99.9% uptime
- Built automated testing suite covering 80+ endpoints, reducing QA validation cycles by 60%

AI/ML PROJECTS

Smart Job Hunter - AI Search Agent

Tech: Python, Streamlit, LangChain AgentExecutor, Tavily API, Groq, LLaMA-3

- Built production-grade AI agent with tool-calling capabilities to fetch live job postings via Tavily API
- Implemented resume-aware filtering logic where LLM analyzes candidate skills against job requirements
- Demonstrates advanced agent design with structured reasoning, explainable matches, and multi-step workflows

HyphenView - AI-Powered Analytics Platform

Tech: Flask, FastAPI, LangChain, OpenAI, React.js, PostgreSQL

- Developed AI-powered analytics platform with LangChain multi-agent workflows for Text-to-SQL generation
 - Built modular backend with 40+ API endpoints, RBAC security, and JWT authentication
 - Created real-time dashboard interface with natural language query processing and customizable KPIs
 - Production system serving 50+ users with 65% AI feature adoption rate
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ADDITIONAL PROJECTS

Reporting Console & Dashboard System

Tech: React.js, Redux, Flask, PostgreSQL, Pandas

- Built comprehensive reporting system with query builder, pivot tables, and drill-down functionality
 - Implemented dynamic form generation, data validation, and multi-format export capabilities
 - Created inventory management system tracking 5000+ assets with advanced filtering and analytics
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EDUCATION

B.Tech in Computer Science & Engineering (AI Specialization)

Galgotias College of Engineering and Technology | 2020 – 2024

CERTIFICATIONS

- 100 Days of Code with Python – Angela Yu (Advanced Python & Flask)
- Python Data Structures & Algorithms – Scott Barrett
- Complete Web Development Bootcamp – Hitesh Choudhary
- Docker Mastery – Bret Fisher

