Shubham Sharma

📞 (+91) 8859499262 | ✉ Shubham12sharma06@gmail.com | 🔗 Shubham Sharma - Senior System

PROFESSIONAL SUMMARY

Highly accomplished and innovative Senior Systems Engineer with a strong background in Full Stack Development and 3+ years of experience specializing in Generative AI, AI Platform Development, and Conversational AI. Proven leader in designing, developing, and deploying cutting-edge AI solutions, with expertise in end-to-end project lifecycle management, team leadership, and advanced framework integration. Passionate about leveraging AI to drive business value and enhance user experiences.

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, SCSS, Typescript
Frameworks : Spring Boot, Angular, LangChain, LangGraph, CrewAI, Google ADK, MCP, GraphRAG, Kubernetes, Knative Service, Loki, Streamlit
Databases : PostgresSQL, chromadb, sqllite, reddis
Development Practices & Tools: : Microservices, REST APIs, OAuth 2.0, OpenID Connect (OIDC), Git, Docker, System Design

Projects & EXPERIENCE

Senior Systems Engineer   Feb. 2024 – Present
Applied AI Platform (Advanced Research Center)   *Chandigarh*

- Led the development and architecture of an Agent Studio, a versatile platform supporting both pro-code and low-code/no-code agent creation, real-time testing, deployment, and log monitoring (Loki, LLM traces) internal/external APIs.
- Engineered and integrated complex workflow orchestration capabilities, enabling the creation of multi-agent and tool-based low-code solutions. Also worked on the architecture of the Database.
- Optimized deployment with Knative Service for agents and robust job scheduling, preventing system overload
- Drove project success through development, code reviews, demos, and architectural design.
- **Key Technologies**: Python, Java, Spring Boot, Angular, Generative AI Frameworks (LangChain, LangGraph, CrewAI, Google ADK, MCP), Kubernetes, Knative Service.

Generative AI Service

- Designed and developed an Agentic System with advanced RAG and Chain of Thought, ensuring real-time processing and data privacy.
- Integrated the Agentic System with the Infosys Chatbot Platform, enhancing conversational intelligence.
- Innovated and showcased two key applications at MWC and NVIDIA Summit 2024 (Interviewing Agent, ITSM Agent).
- Key Technologies: Python, Streamlit, Generative AI Frameworks (LangChain, LangGraph, CrewAI), SpringBoot.

Systems Engineer   Feb. 2022 –Feb. 2024
Infosys chatbot Platform   *Chandigarh*

- Worked with a cross-functional team to successfully integrate Generative AI functionalities into the Infosys Chatbot Platform, including document-based query processing and image analysis, achieving a processing time of 30-40 seconds for a normal 1-page document.

Infosys Conversational AI Suite   *Chandigarh*

- Implemented OAuth 2.0 with OpenID Connect (OIDC) Authentication via Keycloak, enhancing platform security.

Conversational Testing Platform   *Chandigarh*

- Developed automated Test-Suite creation module via RESTful APIs, significantly reducing resource needs and enabling generation of hundreds of thousands of test suites in 4-5 minutes.
- Managed and optimized underlying database structures to support rapid test suite generation.

EDUCATION

SRMS College of Engineering Technology and Research   **Bareilly, Uttar Pradesh**
Bachelor of Technology in Computer Science and Engineering   *May. 2017 – May. 2021*