

Shubham Mishra

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Profile Summary:

Gen AI Developer with 3 years of experience at Infosys, specializing in building AI-driven and full-stack applications.

Skills:

- **Languages:** Python, JavaScript, TypeScript, SQL, NoSQL
- **Technologies:** Flask, Fast API, Lang chain, React JS, Docker, Machine Learning, Node JS, NLP, RAG.

Professional Experience:

Nov 2021 – Till date Senior System Engineer Infosys Limited

- **Developed** scalable APIs using Flask, Fast API, Lang chain, and Node.js, reducing system latency by 30% and improving application load times by 20%
- **Implemented** advanced Retrieval-Augmented Generation (RAG) techniques, increasing LLM response accuracy by 20% and reducing manual review efforts by 15%.
- **Engineered** robust database solutions using MongoDB and Chroma DB (Vector Store), cutting data retrieval times by 40% and enhancing storage efficiency.
- **Leveraged** prompt engineering techniques (few-shot learning and reflexion), improving LLM output precision by 25%.
- **Automated** processes using AI agents, boosting operational efficiency by 35% and cutting task completion time by 40%.
- **Designed** knowledge graphs with Neo4j, improving data structuring efficiency by 30% and enhancing relationship mapping for AI applications.
- **Enforced** data privacy using Responsible AI (RAI), reducing security incidents by 15% and ensuring compliance with regulations.
- **Monitored and optimized** AI performance through real-time evaluation frameworks like True lens, ensuring consistent quality and reliability.
- **Developed intuitive UIs** using Low-Code No-Code (LCNC) platforms and React.js, accelerating development time while maintaining high responsiveness and scalability.

Projects:

Tech Recruiter (Infosys)

- Developed backend APIs using Flask and Lang chain, integrating Chroma DB as a vector store for job descriptions.
- Implemented Retrieval-Augmented Generation (RAG) techniques with Azure OpenAI, enhancing response accuracy by 20%.
- Streamlined data management with MongoDB for candidate data, improving overall platform efficiency.

Project Life Cycle (Infosys)

- Designed APIs with Flask to integrate multiple agents into the UI for project management.
- Employed Crew AI Agentic framework, creating agents for automating project tasks and enhancing workflow efficiency by 25%.
- Utilized advanced tools to analyse agent performance, optimizing the life cycle management process.

Education:

Bachelor of Engineering (Mechanical) (2021) with 8.36 CGPA (University of Mumbai).