Shubham S ambavane

senior software engineer

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# Career Summary

Experienced Gen AI Engineer specializing in **Generative AI, NLP**, and **Azure OpenAI**. Skilled in building AI-powered solutions using **GraphRAG, LangChain,CREW ai**. Proficient in **RAG pipelines, Azure AI Search, Redis, and Node.js** for scalable systems. Passionate about the latest technologies.

# Technical Skills

Gen AI | Nodejs | python | Postgres | AWS | Azure open AI services | Git Version control.

# Work Experience

Senior software engineer | Capgemini

* Designed and implemented **Gen AI architecture**, integrating **GraphRAG, RAG, Azure OpenAI, LangChain,CREW ai, Azure O1 Reasoning Model, and Azure AI Foundry** for configuring and managing models.
* Applied advanced **NLP techniques**, including **embeddings, tokenization**, and **entity recognition** to enhance AI-driven solutions.
* Utilized **Azure OpenAI services** for model deployment, fine-tuning, and prompt engineering to optimize performance.
* Developed **AI-powered assistants**.
* Optimized **RAG pipelines** with **Azure AI Search, Blob Storage, and embedding models** for enhanced accuracy.
* Built and deployed **Python and Nodejs based AI solutions** with **Redis, and vector databases**.
* Containerized AI applications with **Docker** for scalable deployment.

Software engineer | Capgemini

* Developed scalable REST APIs using **Node.js**, **Express.js**, and **Sequelize ORM** with **PostgreSQL**.
* Integrated **AWS services** like **Cognito, SNS, and SES** for authentication and notifications.
* Optimized **code complexity** and improved performance through efficient database queries and caching mechanisms.
* Implemented **unit test cases** using **Jest and Mocha** to ensure code reliability and maintainability.

# PERSONAL PROJECTS

* Developed **Market analysis** and **Strategy builder** solutions using **CREW AI**, focusing on **fundamental and technical analysis**.

# Education and Certification

Bachelor’s degree | MGMCET, Mumbai University 2020

AWS Cloud Practitioner 2022