

SAI ACHUTH C SHEKAR

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EDUCATION

Nitte Meenakshi Institute Of Technology, Bengaluru

Dec 2020 - July 2024

Bachelor of Engineering in Electronics and Communication Engineering

EXPERIENCE

CSC Global (Intertrust Group)

April 2024 – Present

Software Development Intern

Bangalore, India

- Contributed to the development of a **GenAI On-Premise LLM RAG** application utilizing advanced **NLP** techniques. Collaborated closely with a dynamic team for optimized processing of Invoices.
- Leveraged an extensive tech stack: **Ollama, llama3, llamaIndex, Chromadb, Flask** for seamless on-premise deployment with efficient **Fine-tuning** and best security practices.
- Pioneered a **POC for Text-to-SQL** tool, enhancing user experience by converting Natural Language Texts into SQL queries using Semantic Search algorithms for **MongoDB and MySQL** using **langchain and gradio**

hy: Tech and Consulting

Feb 2024 – April 2024

Backend Developer Intern

Bangalore, India

- Engineered a **microservice** using **Spring Boot, Docker** and **AWS ECS** to manage notifications for a Flutter mobile app, incorporating custom templates from **MySQL Database**.
- Utilized **AWS SNS and SES** services to create and call **REST APIs** and monitor SMS, email, and push notifications, optimizing performance through Cloudwatch Service.

Exposys Data Labs

Sept 2023 – Oct 2023

Data Science Intern

Remote

- Executed the deployment of sophisticated supervised models including **Linear Regression, Decision Tree, and Random Forest**, elevating accuracy metrics to unprecedented levels.
- Employed cutting-edge statistical methodologies to **fine-tune predictive models**, ensuring **optimal performance and precision**.

PROJECTS

- iChatter - Messaging Web App:** Created a user-friendly real-time chatting application with **React.js, Node.js, Express.js** and **Firebase**, enabling seamless communication between users.
- Typing Speed Tester:** Developed a **React.js** and **BulmaCSS**-based tool to assess typing speed, providing users with a simple and intuitive interface.
- DevSecOps Project: Netflix Clone Deployment on EKS** Executed DevSecOps for Netflix Clone on **EKS** using **Jenkins, Docker, Sonarqube**, and **Helm**, ensuring a secure and efficient **CI/CD** pipeline for deployment.

SKILLS

Programming Languages: Python, JavaScript, C++, Java, HTML, CSS, SQL

Web Technologies and Frameworks: ReactJS, ExpressJS, NodeJS, Flask, Spring Boot, REST APIs

DevOps & Cloud: AWS, Docker, Kubernetes, Terraform, Ansible, Jenkins

Database Management: MySQL, MongoDB

Gen AI: Ollama, llama3, llamaindex, LangChain, ChromaDB

Other Technologies: Linux, Real-Time Communication (WebRTC)

ACHEIVEMENTS

- Secured **4th place** pan India in **National Entrepreneurship Challenge** at **IIT Bombay**.
- Mentored** budding entrepreneurs for **Ideathon**, contributing to successful idea development.
- Selected as **Chapter lead** for **Algozenith** student program, showcasing leadership skills.