Niranjana Devi S

Coimbatore, Tamil Nadu, India. | [LinkedIn](#) | [GitHub](#) | +91 82488 44372 | niranju1433@gmail.com

EDUCATION

Bachelor of Technology – Artificial Intelligence and Data Science .... *CGPA: 9.20*
Anna University, India *(Kumaraguru College of Technology)* .... *December 2020 – May 2024*
Project: *" Facility Access System using FaceNet "*

WORK EXPERIENCE

Associate Software Engineer .... February 2024 – Present
Flex India .... *Coimbatore, Tamil Nadu*
- Acquired expertise in InforLn ERP development, focusing on IT-core application enhancements and database queries.
- Contributed to enterprise application development using Mulesoft for API integration and workflow automation.
- Collaborated with cross-functional teams to deliver robust ERP solutions tailored to client needs.

AI/ML Intern .... January 2024
Algomox Private Limited .... *Bangalore, Karnataka*
- Developed an IT automation chatbot for efficient ticket raising and automatic workflow execution.
- Applied Natural Language Processing (NLP) techniques to enhance chatbot interactions and user experience.

Innovation Engineer Trainee .... January 2023 – August 2023
Forge Innovation and Ventures .... *Coimbatore, Tamil Nadu*
- Engineered a fully functional, plug-and-play facial recognition-based facility access system.
- Participated in the 20-week ProtoSem Innovation/Startup fellowship, focusing on rapid prototyping and market validation.

PROJECTS

AWS Lambda Blog Generator using Amazon Bedrock *(April 2025)*
- Developed a serverless AWS Lambda function triggered by HTTP requests via API Gateway to generate 200-word blog posts using Amazon Bedrock with the meta.llama2-13b-chat-v1 model, and store the output in an S3 bucket.

PDF Q&A Application with NVIDIA NIM and RAG *(March 2025)*
- Developed a Streamlit application that enables users to upload PDF documents and generate vector embeddings using NVIDIA NIM.
- Implemented a question-and-answer feature that utilizes LLM-powered retrieval-augmented generation (RAG) to provide responses based on the document content.

E-Commerce Application *(July 2024)*
- Designed and implemented a full-stack web application facilitating real-time interaction between sellers and customers, including product listings, inventory tracking, and order processing.
- Built using Flask for the backend, SQLite for database management, and HTML/CSS for the frontend to ensure a responsive and intuitive user experience.

LEADERSHIP

Brigade Leader .... *Kumaraguru College of Technology*
- Guided and Mentored around 120 first-year students transitioning into college life. Organizing orientation sessions, providing one-on-one mentorship, and facilitating group discussions to help students identify their interests, set academic and personal goals, and adapt to the campus environment.

AWARDS AND ACHIEVEMENTS

- Buoyanci Innovation Challenge 2022 - Runner
- Secured 2nd place in the Art Competition at NIT Trichy.

SKILLS

Technical Skills: Python, C++, SQL, R Studio, AWS, Power BI, RAG, Git, Bedrock, Sagemaker, MLflow, Excel, Matlab, Linux, IoT, Postman, API Dev
Specializations: AWS, Full-Stack, Business Data Analytics, Machine Learning, GenAI apps, Generative AI frameworks