Kalyan Ram Sarvepalli

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PROFESSIONAL SUMMARY

Python Developer with hands-on experience in AI-driven automation, Agentic AI pipelines, and LLM integration. Demonstrated strong ownership and problem-solving as a fresher, contributing to core components of GenAI tools and scalable backend workflows.

PROFESSIONAL EXPERIENCE

Accenture
Packaged App Development Associate
09/2024 – 07/2025 | Bengaluru

- **Designed and implemented Agentic AI pipelines** using LangGraph to build scalable node-based workflows, successfully processing legacy code files and streamlining analysis time by **40%**.
- **Interfaced with LLMs (Claude/OpenAI)** via Bedrock APIs, achieving **95%+ output accuracy** in structured prompt-response exchanges and improving consistency across **multi-stage GenAI workflows**.
- **Calibrated a GenAI tool** to interpret a legacy mainframe programming language, fine-tuning prompt strategies that led to a **30% reduction in manual post-processing efforts**.

EDUCATION

Bachelors in Information Technology
Anil Neerukonda Institute of Technology and Sciences
2020 – 2024 | Visakhapatnam
CGPA : 8.73

SKILLS

PYTHON PROGRAMMING — Libraries : Numpy, LangGraph, Streamlit, FastAPI, Graphviz, Pandas

AWS — EC2, S3, VPC,ELB, EFS & CloudWatch

DATABASE — MySQL

AI & LLMs — LangGraph, OpenAI (GPT), Claude (via AWS Bedrock), Prompt Engineering,

OTHERS — Data Structures, HTML, CSS, JavaScript, Git & Github

PROJECTS

Pothole Detection using Deep Learning
Developed an **automated system for detecting potholes** on roads using deep learning which is contributed to improving road safety.
Libraries & Technologies: Deep Learing,OpenCV,Pytorch, roboflow, supervision

Minion Cars
Designed and Implemented a responsive Self Drive Car Rental Booking Website that allows users to reserve cars.
Designed user-friendly dynamic responsive web pages,
Technologies : HTML, CSS, JavaScript & PHP

Sign Language Recognition using OpenCV
Developed an application helps to detect signs and gestures of sign language which is used by deaf people.
Trained the model using a large **dataset of 3000 image**s and developed using **Convolutional Neural Networks (CNN)** , **OpenCV , TensorFlow and Mediapipe** libraries of python and achieved over **70% accuracy**.

ACHIEVEMENTS

- Delivered a **production-level AI pipeline** in a fresher role, trusted with end-to-end ownership of core tooling.
- Shortlisted for **finals** in the **24-hour AWS Hackathon** hosted by BrainOVision with over 40 teams.
- **Secured 2nd position** in Web Page Design Contest with over 100 Participants.
- Secured **All India Rank of 1320** in **CodeKaze** Coding contest hosted by Coding Ninjas

CERTIFICATIONS

IBM
Sign Language Recognition using AI

NPTEL
Cloud Computing and Distributed Systems

STRENGTHS

- Quick learner with good grasping ability
- Multi-Tasking
- Adaptability
- Ability to do research
- Creative Thinking