

# S.Kamalakar

Over 7 years of experience in crafting, developing, and leading Chatbots, Mobile, Web App Development and Backend Projects, with a touch of Gen AI innovation.

Portfolio Link - <https://kamalakarrao.github.io/>

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## WORK EXPERIENCE

### Elevondata Labs — Senior Python Developer | Backend

June 2022 - PRESENT

#### ❖ Digital Eyes

- Led as Backend Lead in building an Innovative Inspection Platform, integrating **Gen-AI** to enhance efficiency and speed in the inspection process.
- Utilized **GCP App Engine** to deploy **FastAPI Python Backend Server** & leveraged the **Cloud SQL** database.
- Guiding the Backend Team in integrating Gen AI-driven features, adapting to dynamic requirements with a focus on **LLM** and **RAG** models for heightened performance and precision.

#### ❖ Personal Projects:

- **Doc Analyser** - Built Web App with **React** which integrates with **LLM, Langchain** to analyse the documents & have conversation about it.
- **Smart locker Order Management** - Built a webapp using **react** to show the orders data using apis & also to manage the orders.

### Venago Innovations — Senior Python Developer | Project Lead

January 2021 - May 2022

#### ❖ Home Automation

- Implemented Backend System for **Alexa Skill & Google Assistant Actions**.
- Integrated **Aws Lambda, Firebase Database** using **Python** to let users turn on/off appliances using voice with less than **200ms** latency.
- Designed an **Architecture** for this Project to build all modules effectively.

#### ❖ Cowin Chatbot

- Helped **874 users** to find vaccination slots nearby via whatsapp.
- Developed & Deployed Whatsapp Chatbot Server using **Flask** in **Aws Ec2**.

#### ❖ 60+ Chatbots

- Interacted with **60+ clients**, captured requirements & deployed the chatbots
- Worked with various requirements involving **Rest APIs, Dialogflow, Aws Services, GCP Services, Mapbox APIs, Firebase Services, Gupshup APIs** etc.

### Axelta Systems | Divigo — Python Developer | Project Lead

JULY 2017 - SEPTEMBER 2020

#### ❖ Retail Footfall Project

- Successfully **installed in 300+ stores** across india.
- Built an **MVP** to generate demographics from video streams.
- Backend Server consists of **Aws Rekognition, Aws Lambda, Native Android Development & Python** to process video streams using **face recognition** & generate the customer **demographics**.
- **Managed a team** in Designing, Developing and Delivering the complete B2B solution from this MVP.

#### ❖ Fraud Detection System

- Successfully installed in **10+ hotels** to detect fraud check ins.
- Utilized **Aws Lambda, Aws Rekognition, OpenCV, Tensorflow, Python** to build a complete end to end fraud detection system which minimized the loss of approx **10000 USD** per month.

## EDUCATION

Jawaharlal Nehru Technological University, Hyderabad - **B.tech -CSE-** 2013 -2017

## SKILLS

**Python** - Advanced

**Gen-AI** - Intermediate

**Flutter** - Intermediate

**Native Android** - Intermediate

**NodeJs** - Basic

**React** - Intermediate

LLMs, Langchain, Unit Testing, Debugging, Actions on google, Microservices, Dialogflow, Flask, Java, Rest APIs, Aws, Aws lambda, Aws Rekognition, Aws s3, GCP Text to Speech, Gcp cloud vision, Json, Aws ec2, Git, Github, Jira, MQTT, Agile.

## AWARDS

**Flydubai Hackathon:** Won a Dubai trip in flydubai Hackathon by developing a baggage tracking app.

**EXCITE Program(JNTU):** Build a weather box which recreates outside on your desk.

**Techgig Hackathon :**

Made it to top 5 in one of the techgig hackathons related to Geographical & Country data.

## LANGUAGES

English, Telugu.

