

# KRISHNARAJ R

Thiruvananthapuram, Kerala

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## PROFESSIONAL SUMMARY

An aspiring Software Developer with a strong foundation in Python Programming, Web Development, and Artificial Intelligence. Proficient in Python, JavaScript, and SQL, with hands-on experience in frameworks like Flask, TensorFlow, and React Js. Specialized in Machine Learning, Generative AI, and the application of Large Language Models (LLMs).

## EDUCATION

### College of Engineering Muttathara

2020 – 2024

B.Tech - Computer Science and Engineering - **CGPA – 8.5**

Thiruvananthapuram, Kerala

### Govt.Model Boys Higher Secondary School Kollam

2018 – 2020

Higher Secondary Education - **Percentage – 86%**

Kollam, Kerala

## SKILLS

**Programming Languages:** Python ,JavaScript, HTML, SQL

**Frameworks/Libraries:** Python Flask, TensorFlow, OpenCV, React Js, Express, Node.js, Tailwind CSS

**Technologies:** Machine Learning, Generative AI, LLMs

**Developer Tools:** VS Code, PyCharm, Canva

**Soft skills:** Creativity, Adaptability, Communication Skills, Teamwork

## INTERSHIPS

### Intern at Kerala State Electronics Development Corporation Ltd.

May 2023 - June 2023

#### Role - Web Developer

Thiruvananthapuram, Kerala

- Gained foundational knowledge in website development.
- Developed a responsive Frontend and Backend using HTML, CSS, React, Node.js, Express, MongoDB.

### Intern at Charlnetic Technologies

April 2022 - May 2022

#### Role – Data Analyst

Thiruvananthapuram, Kerala

- Completed a one-week internship focusing on data analysis using Microsoft Excel.

## PROJECTS

### Personalized Career Coach / Python, Flask, LLMs, JavaScript, HTML, CSS, LangChain

2024

- Developed a Generative AI-powered career coach that offers three key applications: a resume polisher, a personalized cover letter generator, and a career advisor.
- These tools leverage the **LLaMA 2-70B LLM** to support job seekers by offering personalized guidance and improving their job application process.

### Smart Spectacles for Visually Impaired / Python, OpenCV , TensorFlow ,AdaFruit IO, pytttsx3

2023-2024

- Developed a pair of smart spectacles using **Raspberry Pi 4** to assist visually impaired individuals.
- The system includes voice recognition and response features, enabling users to navigate and identify objects in their environment, personalized **Face Recognition**, **Optical Character Recognition** and Health Monitoring.
- Utilized machine learning algorithms to detect objects and provide real-time voice feedback. Implemented the project using **Python**, **OpenCV**, **TensorFlow** , and the **pytttsx3** and **SpeechRecognition** libraries.

### Realtime Parking Space Counter / Python , OpenCV

2023

- The project employs Python and OpenCV to create an automated system for accurately counting available parking spots.
- By analyzing real-time video, the system utilizes **image processing** and **object detection** techniques to identify vehicles and segment parking spaces.

## CERTIFICATIONS

- IBM AI Developer – Coursera [pursuing]
- Python for Data Science, AI & Development – IBM ,Coursera
- Career Essentials in Generative AI Course – Microsoft & LinkedIn