

# Kishore K

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## Profile Summary

A Computer Science student skilled in Python, C, and JavaScript, with hands-on experience in AI, machine learning, and deep learning. Proven ability in algorithms, data structures, and Agile methodologies. Seeking a Software Engineer role to leverage skills in developing innovative and efficient software solutions.

## Education

**Sri Sairam Engineering College**, B.E in Computer Science(Artificial Intelligence and Machine Learning) **CGPA: 8.55** Nov 2022 – May 2026  
**Schooling : Sri Sankara Vidhayala Matriculation Higher Secondary School** Jun 2020 – May 2022  
**HSC: 90.6% SSLC : 71.8%**

## Projects

**Smart India Hackathon - Ministry of Social Justice & Empowerment (First Place)**, Kerala, India Dec 2024

- Conceptualized and implemented a video call intercom system integrating vibration sensors, notification lights, and an ISL-to-text translation feature with **78%** model accuracy to enable seamless communication for the deaf community.
- **Technologies:** Embedded C, Python, Node.js, SRTP protocol, WebRTC, React.

**National Level Hackathon - AI Based Motor Functional Assessment for Children With Cerebral Palsy (First Place)**, Chennai, India Oct 2024

- Designed a web application using computer vision with **OpenPose** for pose extraction to assess motor functional ability. This diagnostic tool won first place and reduced assessment time by an estimated **40%**.
- **Technologies:** OpenPose, ST-GCN.

**Amazon ML Challenge - Rank 11**, Chennai, India Sep 2024

- Modeled a machine learning model to automatically extract and analyze key product attributes, such as weight and dimensions, from Amazon product data, from a dataset of over **450,000 images**
- **Technologies:** Python, SQL, Pandas, PaliGemma

**National Level Hackathon - IEEE (Second Place)**, Jaipur, India Oct 2023

- Developed a real-time hardware and software solution utilizing AI and computer vision to detect alert drowsy drivers, achieving a **87% accuracy** in identifying signs of fatigue.
- **Technologies:** OpenCV, Python, dlib, Raspberry Pi

## Achievements

**CHAIR PERSON** Dec 2023  
IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society, Sri Sairam Engineering College

## Work Experience

**Gen-AI interactive Learning Game**, Intel Unnati Industrial Training Mar 2025

- Engineered a Generative AI-powered quiz application with a recommendation system, featuring over **1,000 questions per programming language** across **10 modules**, to personalize learning based on user difficulty.

**Intern, AP TECHZ - IT Solutions** Jun 2024

- Built and deployed over **3 new features** for full-stack web projects, utilizing Python and front-end technologies within an Agile framework.

**Data Analysis Virtual Intern**, Tata Aug 2023

- Analyzed a dataset of over **10,000 records** to create **5 reports** and visualizations that supported data-driven decisions.

## Skills

**Programming Languages:** Python (NumPy, Pandas), C, JavaScript (ES6), SQL, Java (Basic)

**Web Technologies:** HTML5, CSS3, React.js, RESTful APIs

**Tools & Platforms:** Git, GitHub, Firebase, Fusion 360, Figma, Node.js

**Databases:** Firestore, MongoDB, MySQL