

Siva Kumar Kalluri

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Education

Gandhi Institute of Technology and Management (GITAM)

2018 – 2022

- Bachelor of Technology in Electronics and Communication, **CGPA: 9.07**

Bangalore, India

Sri Chaitanya Jr College

2016 – 2018

- Class XII in M.P.C branch, **Percentage: 97.2**

Vijayawada, India

Rathnam High School

Mar 2016

- Secondary School Education, **GPA: 10**

Nellore, India

Work Experience

Data Engineer Intern

Feb 2022 - Sep 2022

Cognizant

Bangalore, India

- Performing various ETL operations using SSIS, SSAS and Azure Data Factory.
- Creating Dashboards using several KPIs for business requirements by Power BI.
- Created a Covid cases reporting Dashboard project using Power BI with the relevant KPIs for better analysis.
- ETL process is automated using Azure data factory by creating pipelines and Azure data lake for the source data storage.

Embedded Systems Intern

May 2021 - Aug 2021

Andhra Pradesh State Skill Development Corporation (APSSDC)

Vijayawada, India

- Designed microcontroller-based systems to automate various tasks.
- Responsible for Programming the microcontroller in Embedded C and Hardware interfacing.
- Done a project on Google Home automation using Nodemcu and IFTTT

Projects

IoT Technology-Based Temperature and Mask Scan Entry System:

/ *Python, Deep Learning, Raspberry pi, Google Collab, Transfer Learning* / [GitHub Link](#)

- An automatic temperature and mask detection system is developed using Deep Learning and integrated with raspberry pi.
- Several datasets of mask images are taken from Kaggle for data preprocessing.
- A mask detection model is developed using Deep Learning (Mobile net V2 algorithm) with 99.29% accuracy.
- We have established a serial communication between raspberry pi integrated with mask detection code and temperature sensor.

Driver Drowsiness Detection and Alerting System:

/ *Python, Deep Learning, Haar Cascade Classifiers* / [GitHub Link](#)

- An automated system is developed to alert the person who is drowsy while driving the car.
- Haar cascade classifiers are being used to detect the face and eyes of the person.
- A Deep learning model is trained to detect whether the eyes are closed or open.

Skills

- Languages:** C, C++, Python, Java, MySQL
- Tools:** Git/GitHub, Linux, SAS, SSIS, SSAS, Power BI
- Web Development Technologies:** HTML, CSS, React JS
- Others:** Object Oriented Programming (OOPs), DBMS, Embedded C, Azure Fundamentals, Data structures

Trainings & Certifications

- 🔗 Programming for Everybody Getting Started with Python (Coursera)
- 🔗 SQL For Beginners (Udemy)
- 🔗 Neural Networks and Deep Learning (Coursera)
- 🔗 Attended workshop on React JS conducted by APSSDC
- 🔗 Fundamentals of Data Warehouse