MEKALA SAI NIVED

Location: Hyderabad, Telangana, India
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PROFILE

As a dedicated and hardworking college student, I am eager to secure an internship that allows me to apply my motivated attitude and powerful skills to further a company's mission. With the ability to multitask and work collaboratively with others, I am confident in my ability to contribute positively to your organization. Research is an area of particular interest to me as it provides the opportunity to learn and explore new concepts. I am committed to applying my existing skills and gaining new knowledge through research work, order to help drive success for your company.

TECHNICAL SKILLS

Programming Languages : Python, Reactjs

Academic Courses: Data Structures, Mathematical Programming, Operating System, Database M

EDUCATION

KL University — Hyderabad, Telangana, India
BTech in Computer Science and Engineering — *Aug 2022 – May 2025*
CGPA : 8.88

Jawaharlal Nehru Govt. Polytechnic College — Hyderabad, Telangana, India
Intermediate — *Jun 2019 – Apr 2022*
Percentage : 70

Ekashila Public School — Jangaon, Telangana, India
Class X — *Jun 2015 – Apr 2019*
CGPA : 9.5

PROJECTS

Project: Facial Recognition for Missing Persons — July 2022 - Dec 2022

- Developed a user-friendly mobile app that allows individuals to log in and share missing and found persons' photos and details, using AI face detection technology to identify matches and provide their location. This project offers a practical solution to the problem of missing persons and has the potential to significantly enhance public safety.

Project: Enhancing Road Safety — July 2022 - Dec 2022

- Enhancing Road Safety: A Radio-Frequency Based Speed Control System for Accident-Prone Areas
- Created an innovative speed control system that utilizes RF technology by placing a transmitter in accident-prone areas and a receiver in vehicles, successfully reducing traffic accidents in school, hospital, and curved zones.

Project: Handwriting recognition — Jan 2022 - May 2022

- Developed a handwriting recognition system utilizing the pytesseract library, which integrates optical character recognition (OCR) capabilities. Utilized image pre-processing techniques to enhance the quality of input images for better recognition accuracy. Implemented pytesseract's functionalities and fine-tuned parameters to achieve efficient and accurate conversion of handwritten text into digital format.

ACHEIVEMENTS

- Throughout my college years, I had actively participated in various technical events.

- Worked on special projects
- Achieved high accuracy in handwriting recognition project by developing a robust deep learning model, surpassing industry standards with an accuracy rate of 95%. Implemented advanced techniques, including image preprocessing and data augmentation, resulting in improved recognition performance for diverse handwriting styles and languages. Successfully integrated pytesseract library, harnessing its powerful optical character recognition capabilities to convert handwritten text into digital format with precision and efficiency.
- Consistently throughout my school years, I was awarded first prize in the science fair during 7th grade.

SEMINARS

- Attended the Data Science seminar on **SatelliteRemoteCommunication** by **Dr.K.V.ChandraSekhar**, Scientist(ISRO).
- When I'm not exploring new learning opportunities or helping others, you can find me indulging in my interest for gaming and playing chess
- With a deep desire to help others, I find great joy in providing support and empowerment to colleagues and communities alike.