Mandadhi Bharath Simha Reddy

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Profile Summary

Graduate with a computer science background and a strong desire to make a contribution to the tech industry. Capable of quickly adapting to new technologies and concepts. Committed to continuous learning and expanding expertise in emerging trends. Seeking placement opportunities to contribute to and thrive in a dynamic and challenging environment.

Education

B.Tech in Computer Science with Spl. in A.I. — Amaravati, Andhra Pradesh, India
Vellore Institute of Technology — *September 2020 – Present*
CGPA: 9.01

Intermediate (MPC) — Hyderabad, Telangana, India
Narayana Junior College — *June 2018 – March 2020*
Percentage: 98%

SSC, 10th — Proddatur, Andhra Pradesh, India
Keshava Reddy High School — *June 2017 – March 2018*
CGPA: 9.5

Technical Knowledge

Languages	:	Java, Javascript and Python
Web Stack	:	HTML, CSS, ExpressJS, NodeJS
Database/Cloud	:	MySQL, MongoDB and AWS
Dev Tools	:	Visual Studio Code, Hoppscotch
Soft Skills	:	Problem Solving, Teamworker, Adaptability

Projects

Yelp Camp - A Full-Stack Web App

- It offers campground exploration and creation with user authentication, authorization, and CRUD functionalities and was developed as part of a Udemy web course project.
- YelpCamp showcases expertise with relevant web development frameworks and technologies by working with Node.js, Express.js, MongoDB, Mapbox and connected with Cloudinary. It demonstrates how course material is applied practically to real-world applications and is hosted on Render with MongoDB Atlas.

Driver Drowsiness Detection (Machine Learning, Raspberry Pi 4)

- Implemented a driver drowsiness detection system using Python and Raspberry Pi 4, integrating machine learning techniques such as Haar Cascade Classifier and face shape predictor for the facial feature extraction.
- Integrated Raspberry Pi Camera for capturing the driver's video.

Image Fusion

- Developed an Image Fusion System using DWT, CNN and Laplacian Pyramid in a Python GUI. Achieved adequate results for medical and general use by combining the strengths of multiple images into one. Evaluated performance with various metrics to ensure superior image quality, essential for precise medical diagnoses and enhanced visual analysis

Achievements

Top 10 Merit Certification - Driver Drowsiness Detection Project

- Recognized as one of the top 10 projects out of around 500 teams at the Engineering Clinics Expo during the semester for the Driver Drowsiness Detection project.

Certifications

- AWS Certified Cloud Practitioner
- NVIDIA DLI Certification: Fundamentals of Deep Learning