AVULA VENUMADHAV

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SUMMARY

Web Developer Intern with a passion for creating exceptional user interfaces and robust server-side solutions. Proven ability to design and optimize websites, achieving a 95% accuracy rate in computer vision-based vehicle detection and speed estimation. Strong problem solver and team player, ready to contribute technical expertise and innovative solutions to an industry-leading organization.

EDUCATION

Bachelor of Technology in computer science and engineering — August 2020 – June 2024
Gandhi Institute of Technology and Management — CGPA: 7.64

Board of intermediate Education — May 2018 – April 2020
MGM Junior College — CGPA: 8.5

TECHNICAL SKILLS

- **Programming Languages**: Java
- **Frontend Development:** HTML, CSS, JavaScript
- **Backend Technologies:** Angular J.s
- **Database Management:** SQL
- **Version control:** Git/Github
- **Operating Systems:** Windows, Linux
- **Design Tools:** Photoshop, Premiere pro

INTERNSHIPS

Web Development Intern - Oasis Infobyte — January 2024 – February 2024

- Designed and optimized user interfaces and server-side components for a website, focusing on creating visually appealing
- Utilized HTML, CSS, JavaScript, AngularJS, Angular, and Java to develop and enhance web functionality.
- Collaborated with graphic design tools for visually appealing website elements.
- Achieved a 95% accuracy rate in vehicle detection using OpenCV and Python for the computer vision-based project.
- Enhanced website performance resulting in a 20% decrease in page load times, improving the user experience.

PERSONAL PROJECTS

Computer Vision Vehicle Detection and Speed Estimation — September 2024 – April 2024

- Developed Engineered an intelligent computer vision system employing OpenCV and Python to detect vehicles in video streams, prioritizing real-time, high-accuracy detection.
- Attained an exceptional 95% accuracy rate in vehicle detection, ensuring the precise and dependable collection of data across various environmental conditions.
- Implemented Kalman filtering to calculate vehicle speed with precision, significantly enhancing the reliability of the collected data.
- Augmented system adaptability to varying environmental conditions, securing consistent, reliable performance in challenging scenarios.

CERTIFICATIONS

- Certified in Java programming — Coursera
- Gained Proficiency in Graphic design Course — Coursera