

# AVILALA REDDI CHANDU

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## SUMMARY

Software Developer with a strong foundation in Javascript, Python Programming. Adept at designing, developing, testing, and deploying high-performing, scalable, and maintainable applications. Experienced in full software development lifecycle (SDLC) and cloud technologies, contributing to the hybrid cloud and AI journeys of clients. Strong analytical and problem-solving skills with the ability to identify, troubleshoot, and optimize solutions. Effective communicator and team player with a passion for innovation and emerging technologies.

## KEYS SKILLS

SQL	Javascript	Time Management
Flex-box properties	Bootstrap	Responsive design in Layouts
Python Programming	Strong Communication	Embedded systems

## PROJECTS

### SafeDriveGuardian

- The Safe Drive Guardian is an innovative vehicle safety system designed to enhance driver and passenger safety through advanced embedded technology. At the heart of the system is the ESP32 microcontroller, which integrates various sensors and actuators to create a comprehensive safety framework.
- In case of an accident or alcohol detection, the system takes immediate action by stopping a DC motor, simulating the engine shutdown.

### ColourDetection

- Integrated OpenCV for image processing, enabling color detection with RGB & HEX output.
- Utilized Pandas for handling CSV color data and NumPy for mathematical computations.
- Implemented dynamic menus, image uploads, and real-time color recognition through mouse events.

## EDUCATION

<b>Parul University</b>	<b>2021 - 2025</b>
B.Tech Final Year- Computer Science and Engineering (on-going)	CGPA 7.07
<b>Intermediate</b>	<b>878 / 1000</b>
<b>Secondary Education</b>	<b>9.8 GPA</b>

## ADDITIONAL INFORMATION

- **Languages:** English, Hindi , Telugu , Tamil (beginner) , Malayalam (begginer).
- **Personal Interests:** Cinematography, Editing, Travelling .