Vishal Donda

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CAREER OBJECTIVE:

→ To be able to learn and implement existing and upcoming technologies in application development and databases.
→ To work in a competitive and challenging environment with a leadership role, maintain my real throughout my career, and place myself among the best team players.

PROFESSIONAL SUMMARY:

→ Experienced Software Developer at Cambridge Mobile Telematics, enhancing portal features and integrating configurations.
→ Frontend Expert, improved performance by 30% by switching Django templates into React.
→ Automation Specialist developed and automated web pages with Selenium Pytest and Playwright.
→ Driver Behavior Analysis integrated Python models for crash and claims management.
→ Crop Prediction Analyst built a web app using global climate data for better crop yield.
→ EEG Data Analyst created a model to classify eye states with neural networks.
→ Employee Management Systems developed facial recognition and cloud-based monitoring tools.
→ IoT Healthcare Developer designed a system for real-time patient monitoring.
→ Leader and Organizer managed technical events and community outreach at IIIT Sri City.
→ Programming & Technical Skills, proficient in C, Java, Python, React, Django, MySQL, AWS, & more.

ACADEMIC QUALIFICATIONS:

→ **B.Tech** from **Indian Institute of Information Technology**, Sri City **2023** with **7.8** CGPA.

EXPERTISE IN SOFTWARE TECHNOLOGIES:

Programming Languages	C, Java & Python
Frameworks	React & Django
Web Technologies	HTML, CSS & JavaScript
Tools	MySQL, AWS, Selenium, Data Bricks, Git & GitHub
Others	Data Structures and Algorithms, OOPs & Data Analytics

ORGANIZATIONAL EXPERIENCE:

→ Worked at **Cambridge Mobile Telematics** as a **Software Application Developer**, from **Oct-2023** to **Apr-2024**.

PROJECT DESCRIPTION:

As a Software Application Developer at Cambridge Mobile Telematics (Oct 2023 - Apr 2024) based at IIT Madras Research Park, I was responsible for enhancing portal features and integrating them with existing systems. I converted Django templates to React, significantly improving frontend performance and reducing page load times by 30%. Additionally, I developed and automated 25 web pages using Selenium Pytest, and transitioned scripts to Playwright for better scalability. I also integrated Python Upgradation Models to analyze driver behaviour, enhancing crash and claims management systems. This project involved a mix of frontend and backend technologies, with a focus on improving user experience and system efficiency.

ROLES & RESPONSIBILITIES:

→ Built and enhanced portal features, integrating new functionalities into existing systems.
→ Converted web pages from Django to React, improving page load times by 30%.
→ Developed and automated 25 web pages using Selenium Pytest for increased efficiency.
→ Transitioned automation scripts to Playwright, enhancing scalability and performance.
→ Integrated Python Upgradation Models for driver behaviour analysis, improving crash and claims management.
→ Collaborated with cross-functional teams to ensure seamless integration and deployment of features.
→ Focused on optimizing system performance and user experience through continuous monitoring and updates.

EXTERNAL PROJECTS WORKED ON:

Crop Prediction Analysis with Prototype Simulation for Industrial Agricultural Applications

Duration: **Aug 2022 – Apr 2023,** So we utilized global climate data to predict optimal crop suitability in India. Developed a forecasting model for future climatic conditions and crop suitability. Built a web app for crop suggestions and data visualization. Simulated IoT device data collection using various sensors.

- Used global climate data from WorldClim.
- Created a forecasting model for climate and crop suitability.
- Developed a web app for crop suggestions and visualization.
- Conducted IoT device simulation for data collection.
- Tech stack: HTML, CSS, JS, Python, R, DA, ML.

Eye State Classification using EEG Data

Duration: **Jan 2022 – May 2022,** Here we analysed EEG signals to predict eye states, proposing a classification algorithm. Implemented various classification techniques and developed a neural network model for accurate predictions.

- Analyzed EEG signals for eye state prediction.
- Proposed an effective classification algorithm.
- Implemented various classification techniques.
- Developed a neural network model.
- Tech stack: Python, Data Analysis.

Employee Management

Duration: **Aug 2021 – Dec 2021,** We developed an employee authentication system using facial recognition with OpenCV and SVM. Created a cloud-based website for monitoring employee data and insights.

- Developed a facial recognition system for employee authentication.
- Used OpenCV and SVM for accurate recognition.
- Created a cloud-based website for employee data monitoring.
- Implemented real-time data insights.
- Tech stack: OpenCV, SVM, Firebase, AWS, PHP.

Smart HealthCare System

Duration: **Jan 2021 – Apr 2021,** Designed an IoT-based system to collect and monitor medical data from patients. Developed a web application for real-time monitoring of vital signs with alert capabilities.

- Designed an IoT-based system for patient data collection.
- Monitored medical data in real time.
- Developed a web app for vital signs monitoring.
- Implemented alert capabilities for critical conditions.
- Tech stack: IoT, Web Technologies.

Extra-Curricular Activities & Leadership Roles:

Student Project Club [Jan 2022 - Apr 2022] at IIIT Sri City

- Organized programming boot camps and assisted in various technical events.

NSS Organizer and Coordinator [Sep 2019 - Dec 2021] at IIIT Sri City

- Conducted camps in college and organized inter-college events.
- Organized events in surrounding villages, coordinating marketing and social management.

CERTIFICATIONS:

→ Monitored Problem-Solving [**HackerRank**]
→ 5 Star in Java, Python, and C++ [**HackerRank**]
→ Machine Learning [**Coursera**]
→ Python Data Structures [**Coursera**]