

VAISHNAVI DEVARDEKAR

Software Developer

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SUMMARY

Passionate software developer with 1+ years of experience in designing and developing scalable, user-friendly applications. Proven track record in delivering complex projects on time, focusing on AI governance, risk management, and data analytics. Eager to embrace challenging opportunities in software development and AI/ML.

EXPERIENCE

Software Developer Intern

Elansol Technologies Pvt Ltd

02/2023 - 08/2023 Pune, India

Elansol Technologies Pvt Ltd specializes in providing innovative IoT solutions and advanced software development services to enhance operational efficiency across various industries.

- IoT Digitalization of Blanking Press Machine:** Led the transformation of blanking press machines using **IoT devices** and sensors for real-time performance monitoring. Developed an intuitive user interface with **Angular** and integrated it with **ThingsBoard** for data visualization and management, utilising **MQTT** for seamless communication between devices and gateways.
- Building Management System Development:** Automated building systems by creating a comprehensive UI with **Angular** for real-time data visualization and reporting. Implemented backend solutions using **JavaScript** and **Node.js** to process and manage data efficiently, leveraging **ThingsBoard** for analytics and operational insights.
- CNC Machine Digital Transformation:** Spearheaded the digitalization of CNC machines by integrating **IoT technology** for continuous performance monitoring. Developed robust backend systems with **JavaScript** and connected them to **ThingsBoard** to visualize machine performance metrics.

Software Engineer

Passion Infotech Pvt Ltd

09/2023 Pune, India

Passion Infotech Pvt Ltd delivers innovative AI/ML-driven software solutions with a focus on scalable, user-centric design and advanced technologies.

- Backend Optimization:** Enhanced backend using **Node.js**, **Express.js**, **PostgreSQL**, and **Python Machine Learning models** for predictive analytics and data processing. Built scalable APIs using **React.js** within the **MERN stack**, ensuring seamless integration.
- Real-Time Data Visualization:** Designed **React.js** dashboards with **Chart.js**, **Redux**, and Python-based data pipelines to deliver real-time AI-driven insights. Leveraged the **MERN stack** and **AI/ML models** for advanced data visualization and trend analysis.
- Research Management Module:** Developed a modular **research management system** using **JavaScript**, **Python**, **PostgreSQL**, and **React.js** to streamline project workflows and data handling. Designed interactive forms with **React.js**, **HTML**, and **CSS**, integrating real-time **ML-based data tracking** for efficient research analysis and progress monitoring.

TECHNICAL SKILLS

ReactJS	NodeJS	Java	Python	SQL	Git	Django	UI/UX
Javascript	Application Development		Database System		Leadership		

CERTIFICATIONS

Data Analytics Professional (Google)

Full Stack Software Development (QJPSPIDERS)

Software Development And Designing (DevTown Goggle-Microsoft)

Martian Training And Internship (PERSISTENT SYSTEMS)

Python (Coursera)

Artificial Intelligence (MyCaptain)

PROJECTS

Capitol Tunnels.ai

12/2023 - 07/2024

Risk Management System:

Developed a **risk management system** with **machine learning algorithms** for proactive risk detection and analysis.

Utilised the **MERN stack** to create a robust web application with real-time analytics and data visualizations, enabling data-driven decision-making.

Building Management System

04/2023 - 06/2023

Developed a **user-friendly live application** enabling seamless computer interaction through intuitive hand gestures, eliminating the need for physical hardware.

Leveraged **Python**, **OpenCV**, and **Machine Learning** to process real-time video feeds for gesture recognition.

Demonstrated expertise in **computer vision**, **AI/ML algorithms**, and real-time data processing to deliver a highly responsive system.

Smart Surveillance System

08/2023

Engineered an **AI-driven smart surveillance system** utilising **object detection**, **anomaly detection**, and **facial recognition** to enhance security operations.

Leveraged the **YOLO module** for precise and swift object tracking, enabling real-time monitoring and alerts to security personnel.

Improved threat identification efficiency, ensuring timely responses to potential risks.

EDUCATION

Bachelor of Technology, Information Technology Government College Of Engineering Amravati

2019 - 2023 Amravati

Higher Secondary 12th

Abedalnamdar Junior College for Girls Pune

2017 - 2019 Pune, India

High School

Army Public School

2017

TRUSTED POSITIONS

Department coordinator

Training and Placement cell

Brand Ambassador GCOEA

Cognizant Technologies ajnd Pvt Ltd

Department Treasurer

Indian Society of Technical Education