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	Leaderhip

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
Abeda Inamdar Junior College for Girls Pune

📅 2017 2019 📍 Pune

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