

# 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

#### Passion Infotech Pvt Ltd

2023 - Present Pune, India

Passion Infotech Pvt Ltd delivers high-performance software solutions with a focus on innovation and user-centric design across multiple platforms.

- Backend Optimization:** Enhanced backend infrastructure using **Node.js**, **Express.js**, and **PostgreSQL** with **Sequelize ORM** for efficient relational data management and high-performance queries. Developed seamless APIs for database integration.
- Incident Management Module:** Led the development of a robust incident management system, leveraging **JavaScript**, **PostgreSQL**, and a modular architecture to streamline workflows and automate critical processes, resulting in a faster, more efficient resolution process.
- Real-Time Data Visualization:** Designed and developed interactive **React.js** dashboards, utilizing **Chart.js** and **Redux** for state management, delivering seamless real-time insights and a user-centric experience.
- API Security and Integration:** Built and secured RESTful APIs using **JWT** for authentication, tested endpoints with **Postman**, and implemented best practices to ensure secure and reliable data transactions across the application.

### 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, utilizing **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. Applied data analytics to improve Overall Equipment Effectiveness (OEE) by 50%, providing actionable insights for enhanced operational efficiency.

## 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 (QJSPIDERS)

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 comprehensive risk management system that implements advanced **machine learning algorithms** for proactive risk detection and analysis. Utilized the **MERN stack (SQL, Express.js, React.js, Node.js)** to create a robust web application, enabling data-driven decision-making through real-time analytics and visualizations.

**Incident Management System:** Designed and developed an incident management system tailored for the agro industry, facilitating efficient incident assignment and resolution. Implemented administrative functionalities to streamline task delegation, enhance operational efficiency, and improve responsiveness. This system uses **Node.js** for backend development and **React.js** for a user-friendly interface, ensuring a seamless experience for users in managing incidents.

### Building Management System

04/2023 - 06/2023

**Real-Time Automation and Control:** Engineered a Building Management System (BMS) utilizing **ThingsBoard** and **Node-RED** to automate the management of critical building components, including lighting, HVAC systems, and elevators. This integration of real-time data ensures efficient operation, promotes energy savings, and enhances occupant comfort.

**Advanced Reporting and Analysis:** Developed detailed reporting and analytics features within the BMS to monitor building operations, energy usage, and performance metrics. This capability enables informed decision-making and continuous optimization of building management processes, leveraging **JavaScript** and **Angular** for a responsive and interactive user interface.

## 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, India

### High School

#### Army Public School

2017 Pune

## TRUSTED POSITIONS

### Department coordinator

Training and Placement cell

### Brand Ambassador GCOEA

Cognizant Technologies ajnd Pvt Ltd

### Department Treasurer

Indian Society of Technical Education

