Varsha M R

Full Stack Java Developer

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Summary

A passionate Full Stack Web Developer (Fresher) with a strong foundation in front-end and back-end development, database management, and web application design. Skilled in building responsive, scalable, and user-friendly applications using modern web technologies. Enthusiastic about creating efficient digital solutions, learning emerging frameworks, and continuously improving technical expertise to deliver impactful web experiences.

Skills

Frontend: HTML5, CSS3, JavaScript (ES6+), React.js, Redux, Bootstrap, Tailwind CSS
Backend: Node.js, Express.js, RESTful APIs, Authentication (JWT, OAuth)
Databases: MongoDB, MySQL
Programming & Querying: Python, SQL, NoSQL Queries
Additional Skills: Data Analysis, Machine Learning (Basics), Problem Solving, Responsive Design

Projects

Smart Loan System with ML Integration

- Developed a full-stack web app integrating React, Node.js, FastAPI, and MongoDB for automated loan approval using machine learning.
- Implemented JWT-based authentication, real-time loan risk prediction using a Random Forest model, and interactive data visualization.
- Designed a scalable architecture ensuring smooth data flow between frontend, backend, and ML microservice.

Word Document Clone (Full Stack Project)

- Developed a full-stack web application that replicates the core functionalities of a word document editor using modern web technologies.
- Built interactive text editing features such as text formatting, alignment, and live content updates using React and JavaScript.
- Implemented backend services using Node.js and MongoDB to store and retrieve user documents efficiently.
- Focused on creating a clean and responsive UI to provide a smooth document editing experience similar to real-world applications.

E-commerce Price Prediction using Web Development and Machine Learning

- Developed a web-based machine learning application to predict product prices in e-commerce platforms using historical data and product attributes.
- Built an interactive frontend using React.js and integrated it with a Flask/FastAPI backend for real-time ML predictions.
- Implemented regression models in Python (scikit-learn) to analyze patterns and forecast accurate price ranges.
- Used MongoDB for data storage and ensured seamless communication between the web interface and the ML model.

Awards & Certifications

- **IBM Z Datathon 2025 - A Global Datathon Event - Participation Certificate**
- **Amazon ML Challenge 2025 – Secured 1119th rank out of 82,000+ teams**
- **Data Science – Corizo**

Education

Bachelor Of Engineering   **Graduated: 2026**
Visvesvaraya Technological University, Bengaluru   *CGPA: 8.69 / 10*