Divyansh Joshi

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EDUCATION

B.Tech, Computer Science Engineering — Expected 2026
Vellore Institute of Technology — *Bhopal*

Class XII, CBSE (76%) — 2022
Choithram School — *Indore*

Class X, CBSE (76%) — 2020
Choithram School — *Indore*

EXPERIENCE

Automation Engineer — Dec 2024
LambdaTest — *Remote*
- Implemented comprehensive logging in Selenium scripts for console, network logs, and screenshots.
- Built reusable Python automation frameworks with Selenium and ChromeDriver integration, streamlining test script creation and saving approximately 2-3 hours per new major test suite.
- Reduced error detection time by 40% through systematized test reports and HAR file generation.

NAS Server Development — 2024
Personal Project — *Remote*
- Deployed NAS server using Proxmox and TrueNAS with 5TB storage and mechanized backup, ensuring 99.9% data availability for personal projects over 6 months.
- Implemented SSH tunnel for secure remote access with encryption mechanisms,for 15+ primary users.
- Optimized performance through RAID configuration and monitoring tools, achieving approximately 20% faster file transfer speeds for large datasets.

PROJECTS

Disaster Information Aggregation System — 2023
Full Stack Developer — *Remote*
- Developed real-time disaster data aggregation platform processing data from 5 distinct real-time sources.
- Implemented computerized data validation system for multiple data sources, improving consistency by ~20%.
- Created robust error handling and logging system for reliable operation, maintaining system stability with over 99% uptime.

Fraudulent App Detection Using NLP — 2024
Machine Learning Developer — *Remote*
- Developed a machine learning model achieving 85% accuracy in detecting fraudulent apps based on a dataset of over 1,000 user reviews using NLP techniques.
- Integrated preprocessing pipelines for text data cleaning and vectorization, improving model F1-score by 0.05 through enhanced techniques.

Web Development Projects
Personal
- Developed a full-stack MERN application for personal task and progress tracking. (MERN-Expense Tracker)
- Created an E-Commerce platform website to showcase projects and skills using HTML/CSS and JavaScript. (VITT)
- Designed and deployed a professional web presence for LNJ Corp Sol. (lnjoshics.co.in)
- Built a web-based tax calculation utility using JavaScript for simplified tax estimations. (NeonTAX)

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C++, C#, HTML/CSS, SQL

Testing & Automation: Selenium WebDriver, ChromeDriver, LambdaTest, Jenkins, HAR Analysis

Frameworks & Libraries: React, Node.js, Express, Spring Boot, jQuery, Flask, MERN Stack

Cloud & DevOps: Firebase, Azure, Google Cloud Platform, Docker, Git, CI/CD, AWS, CloudFlare

Databases: SQL, MySQL, PostgreSQL, Firebase Realtime Database, MongoDB

Others: RESTful APIs, WebSockets, OAuth2, Kubernetes, NLP