Durvesh Bhadgaonkar

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Summary

I'm a software developer focused on building practical, scalable, and user-centric applications across web, mobile, and IoT. I work confidently with React, Next.js, React Native, Node.js, Express, and MongoDB, and have hands-on experience with languages like C/C++, Java, and JavaScript through real-world projects. I enjoy learning by building whether it's exploring blockchain, strengthening my cybersecurity skills, or improving clean code and system architecture. I'm passionate about solving real problems through thoughtful design, automation, and innovation.

Education

Vidyalankar Institute of Technology, Mumbai Sept 2024 – Present
Bachelor of Technology in Information Technology — SGPI 10.0

Vidyalankar Polytechnic, Mumbai Oct 2021 – Jun 2024
Diploma in Computer Engineering — 88.86%

Experience

Cyber Security Research Intern – Secure Cyber Future Ltd Jun 2023 – Jul 2023
Mumbai, India

- Conducted vulnerability assessments and security analysis, focusing on real-world threat identification and documentation.
- Hands-on experience with Burp Suite, SQLMap, XSS vulnerability mapping, and CORS misconfiguration testing.
- Collaborated with cybersecurity engineers to perform security testing, automate basic tools, and prepare technical reports.

Key Projects

Solar Panel Optimization System (Final Year Project) | *ESP32, Android (Java), IoT, C++*

- Developed a smart solar tracking system with 180° vertical and horizontal rotation for optimal sunlight capture.
- Used ESP32 microcontroller for motor control, sensor data acquisition, and real-time tracking.
- Built an Android app using Java to set rotation limits, monitor efficiency, and adjust solar panel angles remotely.

Blockchain-Based Mobile Payment Application | *NodeJS, Python, Solidity, Polygon, Firebase*

- Built a decentralized mobile payment platform integrating blockchain smart contracts for transparent transactions.
- Implemented secure Razorpay UPI payments with Firebase for real-time wallet data and user authentication.
- Focused on fintech grade scalability, data integrity, and multi-layer transaction verification.

Crop Disease Detection App | *React Native, Flask, TensorFlow, OpenCV*

- Developed a mobile application that predicts crop diseases from leaf images using deep learning models.
- Integrated medicine recommendation system suggesting effective treatments for the detected disease.
- Enabled farmers to diagnose issues early and take informed actions to improve crop health and yield.

Technical Skills

Languages: C/C++, Java, Python, JavaScript, SQL
Frameworks & Libraries: ReactJS, NodeJS, ExpressJS, Flask, Solidity
Databases & Tools: MongoDB, MySQL, Docker, Postman, Git, Burp Suite, SQLMap
Soft Skills: Leadership, Collaboration, Analytical Thinking, Problem Solving

Achievements & Certifications

Smart India Hackathon 2023 Finalist – AICTE Online Meeting Platform

Tantravihar State-Level Competition 2025 – Presented Decentralized Payment System using Blockchain

HackBuild Google Hackathon – Developed Decentralized Notes Marketplace; shortlisted from 400+ teams to top 20 nationwide

Cisco Certified Network Associate (CCNA)

TechFiesta PICT International Hackathon – Participation

State-Level Final Year Project Competition – Participation

Internship Completion Certificate – Secure Cyber Future Ltd