Mourya Kumar

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Experience

SKU University Library Management System
Web development intern

June - August 2024
Hybrid

- **MERN** stack used: **React.js** for UI, **Node.js/Express.js** for backend, **MongoDB** for storage.
- Developed a MERN stack-based Library Management System at SKU University managing 35,000+ books for 5,000+ students.
- Created multiple user dashboards for students, faculty, and admin, ensuring efficient book management.
- Key features include QR code book issuance and role-based access control.

Projects

D-VALIDATE Smart India Hackathon
Source Code

- **Certificate Generation:** Engineered and validated certificates using blockchain technology.
- **Decentralized Security:** Utilized blockchain to securely store and verify certificates, reducing the risk of forgery by 85% and ensuring tamper-proof records for over 1,000 certificates.
- **Security and Integrity:** Ensured certificates were stored in a decentralized manner to prevent forgeries and maintain digital identity immutability, using SHA-256 Hashing.

Selenium Web Automation Project
Source Code

- Automated test scripts using Selenium WebDriver and Java.
- Managed test execution with TestNG for comprehensive coverage.
- Generated detailed reports with Allure for analysis and tracking.
- Improved test reliability and stability through robust error handling.

E-Commerce Website
Source Code

- **Technologies:** Java, JDBC, Servlets, Hibernate, Maven, HTML, CSS, JavaScript, MySQL.
- Developed an online shopping platform with admin and user functionalities.
- Admin features include product/category management and user monitoring.
- User features include account creation, product browsing, cart management, and checkout.
- Implemented generic servlets for backend functionality with scope for adding security enhancements.

Technical Skills

Programming Languages: C, Java, JavaScript, HTML, CSS
Frontend Technologies: React JS, Tailwind CSS
Backend Technologies: Spring Boot, MongoDB
Tools and Frameworks: Selenium WebDriver, TestNG, Git, GitHub
Core Competencies: Data Structures and Algorithms, Solution Design and Architecture
Soft Skills: Analytical Thinking, Problem Solving, Cross-Functional Collaboration, Conflict Resolution

Certifications

- AWS Cloud Solutions Architect Professional Certificate on Coursera
- Cisco Certified Network Associate (CCNAv7)

Achievements

- **Hackverse Hackathon** — Awarded 2nd Runner-up in the Hackverse Hackathon.
- **CCNA** — Earned a badge for Cisco Certified Network Associate (CCNAv7)
- **LeetCode** — Solved 200+ Data Structures and Algorithms problems on LeetCode using java.

Education

Lovely Professional University, Phagwara
B.Tech in Computer Science & Engineering

2022 - 2025
7.0/10 CGPA

Dr. Y C James Yen Government Polytechnic, Andhra Pradesh
Diploma in Computer Science & Engineering

2019 - 2022
7.8/10 CGPA