

MOURYA KUMAR

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Experience

SKU University Library Management System

June - August 2024

MERN stack

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.

Java Calculator

[Source Code](#)

- **Technologies:** Java, Swing.
- Developed a Java calculator application utilizing Swing for a user-friendly interface.
- Features include basic arithmetic operations, parentheses support, and error handling.
- Implemented intuitive UI/UX design to enhance user experience.

Technical Skills

Languages: C, Java, JavaScript, HTML, CSS, Python

Technologies/Frameworks: Selenium WebDriver, TestNG, React JS, Node JS, Git, GitHub, Tailwind CSS,

Technical Skills: Data Structures and Algorithms, Test script development, test case management, Solution Design and Architecture, Technical Problem Solving, Identity Verification and Fraud Prevention

Soft Skills: Analytical Thinking and Problem Solving, Relationship Management, Cross-Functional Collaboration, Conflict Resolution

Certifications

- AWS Cloud Solutions Architect Professional Certificate on Coursera
- Cisco Certified Network Associate (CCNAv7)
- HTML, CSS, JavaScript, ReactJS, Java on Udemy
- Penetration Testing and Cybersecurity on Udemy

Education

Lovely Professional University, Phagwara

2022 - 2025

B.Tech in Computer Science & Engineering

7.0/10 CGPA

Dr. Y C James Yen Government Polytechnic, Andhra Pradesh

2019 - 2022

Diploma in Computer Science & Engineering

7.8/10 CGPA

Bhashyam High School, Andhra Pradesh

2018 - 2019

Secondary School

9.5/10 CGPA