

Suraj Kumar Singh

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OBJECTIVE

Currently working as a **Software Tester** with hands-on experience in testing ATM software and its security. Passionate about **Java development** and eager to leverage my programming knowledge in **Java, Spring Boot, and MySQL** to transition into a **Developer role**. Seeking an opportunity to contribute to innovative projects and enhance my skills in software design and development.

EDUCATION

K.r Mangalam University

Master of Computer Application

Babasaheb Bhimrao Ambedkar Bihar University

Bachelor of Computer Application

Shona, Haryana, India

Aug 2023 - June 2025

Muzaffarpur, Bihar, India

Spe 2019 - July 2023

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, Dart, JavaScript

Frontend: HTML, CSS, React, Vite, Tailwind CSS, Bootstrap

Backend: Spring Boot, Spring MVC, Spring Security

Databases: MongoDB, MySQL

Testing: Manual Testing, Automation Testing (Selenium)

WORK EXPERIENCE

Software Tester and Application Support

CMS Info Systems, India

June 2025 - Present

- Tested ATM software functionality, UI, and backend components to ensure compliance with financial transaction standards.
- Performed security testing to identify vulnerabilities and verify the robustness of ATM systems against unauthorized access.
- Collaborated with developers and QA teams to document bugs, verify fixes, and improve overall software reliability.
- Prepared detailed test cases, execution reports, and defect logs to maintain traceability and quality standards.

Cybersecurity Intern

Tech Intern Program, India

June 2023 - July 2023

- Assisted in monitoring network traffic and identifying potential vulnerabilities using basic cybersecurity tools and techniques.
- Performed vulnerability assessments and supported the implementation of basic security controls.
- Learned about firewall configuration, intrusion detection, and network protection mechanisms.
- Collaborated with the cybersecurity team to document security incidents and recommend preventive measures.

PROJECTS

- **Library Management System** — Developed a desktop application using **Java Swing, JDBC, and Core Java** with **MySQL** for managing library operations. Implemented backend functionality to perform CRUD operations on the database for books, users, and transactions. Ensured seamless book inventory management, user registration, and borrowing/return processes with robust error handling.
- **Healthcare Application** — Built a desktop application using **Java (Swing/XML)** and **SQLite** for managing patient records, lab test bookings, and appointment scheduling. Designed a structured XML-based UI for user input, navigation, and dynamic form interaction. Integrated SQLite database to enable persistent storage and efficient CRUD operations for all health data.

EXTRACURRICULAR ACTIVITIES

- Participated in a university-level **Hackathon** and secured a **notable position** for developing an innovative Java-based solution within a limited time frame.
- Solved over **150 coding questions** on **LeetCode**, demonstrating strong problem-solving ability and consistent learning in data structures and algorithms.
- Actively engaged in coding challenges and collaborative technical discussions to strengthen programming and analytical skills.