

# Saurabh Maurya

✉ srbmaurya@gmail.com ☎ +917355069174 🌐 in/srbmaurya 🐙 github.com/srbmaurya

## EDUCATION

### Indian Institute of Technology (BHU) Varanasi

Bachelor of Technology • Electronics Engineering • 2024 • 8.35 CPI

## EXPERIENCE

### Salesforce

#### Associate Member of Technical Staff

June 2024 – Present, Hyderabad

- Engineered an interactive dependency graph using D3.js, Connect REST APIs, UI APIs, and GraphQL—enabling real-time visualization and streamlined analysis of service dependencies, which reduced troubleshooting time by 25% and improved root-cause identification efficiency.
- Developed an AI-driven test data generator for OmniScript achieving 90% accuracy in simulating user inputs and validating expected behaviors, reducing manual test creation time and streamlining QA workflows.
- Automated frontend testing using UTAM framework, increasing test coverage from 10% to 90%, resulting in early detection of 20+ critical bugs, reducing regression and significantly improving product stability.
- **Exposure:** SOQL, Java, Apex, Git, UTAM, Selenium, LWC, Salesforce DB, Javascript.

### Razorpay Software Pvt. Ltd.

#### Software Development Intern

May 2023 – July 2023, Bengaluru

- Crafted 20+ Interactive Grafana Dashboards to monitor payments processed by three methods for Malaysian merchants.
- Configured dynamic alert rules to proactively notify failures via Slack in 5 or 10 minutes in case of system failures.
- Implemented the integration of 6 fresh metrics into Prometheus by effectively employing API middleware.
- **Exposure:** Grafana, PromQL, Prometheus, AlertManager, PHP, Operational Excellence.

## SKILLS

**Fundamentals:** Data Structures & Algorithms, System Design, OOP & Design Patterns

**Languages & Frameworks:** C++, Java, Python, JavaScript (Node.js, React.js)

**Backend & Cloud:** RESTful APIs, Docker, AWS (EC2, Lambda)

**Databases & Testing:** MySQL, MongoDB, Jest

## PROJECT

### MERN-Chat-App: Real-time Chat Application

- Developed a secure chat website with email verification, password, and message encryption.
- Implemented personal and group chats, real-time typing indicators, image sharing, and message forwarding.
- Enhanced user experience with 24-hour status updates, personalized profiles, and notifications.
- Scheduled cron jobs for auto-cleanup of expired statuses and OTPs every minute.
- **Exposure:** ReactJS, ExpressJS, Cloudinary, Chakra UI, nodemailer, Websockets.

### Autonomous Path Mapping Bot

- Developed the path-planning logic for an autonomous robot operating in a 12x12 maze, using an overhead camera feed and image processing to analyze the maze structure and determine the robot's position in real time.
- Constructed a weighted, directed graph based on 4 different node colors, each representing unique traffic rules and movement costs.
- Implemented the Dijkstra Algorithm to find the shortest path to reach the required position according to the rules and conditions in 12x12 arena.
- **Exposure:** Python, OpenCV, Numpy, Path Planning.

## ACHIEVEMENTS

- **Specialist** on Codeforces, a competitive programming platform with a maximum rating of **1586**. Handle: [Srbmaurya](#)
- **Knight** on Leetcode, with a maximum rating of 1931. Handle [Srbmaurya](#)
- Secured a **rank of 368** in Codeforces Round 855 and **387** in Codeforces Round 794 among 30,000+ and 25,000+ registered participants.
- Participated in Google Kick Start 2022 round G and achieved a global rank of **862** out of 108,033 registered participants.
- Secured **rank 336** and **507** in Atcoder Beginner Contest 294 and 295 out of 10,000+ registered participants.