

# Sukhendu Mandal

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## SUMMARY

Results-driven Software Development Engineer in Test (SDET) with expertise in test automation, API testing, and full-stack development. Passionate about building robust, scalable, and high-quality software solutions.

## SKILLS

Programming Language	C++, Python, Java
Web Technologies	HTML, CSS, JavaScript, React.js, Node.js, Express.js
Database	SQL, MySQL
Other Skills and Tools	AWS, SQL, Selenium, Jira, Git, Github, PM2

## PROFESSIONAL EXPERIENCE

Cognizant | *Programmer Analyst Trainee* Sep 2024 - Present

- Worked on a **client project**, developing and **automating test scripts** using **Selenium** WebDriver and **Java** for CPS.
- Designed and executed API tests and database validations, verifying seamless integration and data integrity across multiple systems.
- Collaborated** with developers in an **agile** environment, implementing test-driven development (TDD) practices, identifying performance bottlenecks, and improving application reliability.

Cognizant | *Intern* Dec 2023 - Apr 2023

- Cognizant** intern as Quality Analyst Engineer with Selenium Automation
- Developed and executed automated test scripts using **Selenium** to ensure the quality and functionality of web applications, reducing manual testing efforts by 50%
- Collaborated** with teams to identify and resolve defects, maintaining **automation frameworks** to enhance product reliability and support continuous integration.

## PROJECTS

Learnbits | [Learnbits.in](https://Learnbits.in)

HTML, CSS, JavaScript, Node.js, Express.js, MonogoDB, AWS

- Developed** an online educational platform catering to engineering students, providing a diverse range of resources such as coding challenges, interview preparation materials, ebooks, and lecture notes.
- Managed and engaged with a community of over **1000+ users**, fostering collaborative learning and knowledge sharing.
- Delivered 95% user satisfaction with a **user-friendly interface**, and comprehensive content resulting in a 30% increase in user engagement and personalized content delivery.

### Crypto Trading Bot

Python, Pandas, Numpy, Telegram Bot API, AWS

- Developed** a 24/7 **Python**-based automated trading system hosted on **AWS**, integrating the broker's **API** for real-time **market analysis** and trade execution every 5 minutes, with **automated** Telegram notifications for tracking.
- Implemented** trading strategies and fine-tuned **algorithmic trading strategies** using technical indicators and embedded risk management logic (trailing stop-loss, position sizing), significantly **improving execution accuracy** and **reducing losses**.

## EDUCATION

Lakshmi Narain College of Technology Bhopal

B.Tech   Mechanical Engineering		
CGPA	8.31	Aug 2019 - May 2023

Vikram Higher Secondary School Bhopal

CBSE BOARD		
12th	69.4 %	Apr 2018 - Mar 2019
10th	9.2 CGPA	Apr 2016 - Mar 2017