

# MOHAMMED AZAM

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## Professional Summary

Proactive Software Engineer with expertise in application development, testing, and deployment using full-stack technologies, React.js, and SQL databases, delivering scalable and high-quality software solutions. Experienced in application configuration, incident management, and user support, ensuring smooth deployment and stable software performance. Collaborates effectively with cross-functional teams to implement enhancements, optimize processes, and achieve business objectives.

## Technical Skills

- Programming & Scripting:** Java, Python, SQL, JavaScript
- Web & Application Development:** React.js, HTML, CSS, RESTful APIs, Flask
- Databases:** MySQL, MongoDB
- Testing & QA:** Manual Testing, Selenium WebDriver, TestNG, Postman
- Processes & Methodologies:** Agile (Scrum), SDLC, STLC, Requirement Analysis, Test Planning, Defect Tracking
- Tools & Version Control:** Git, CI/CD, Jira

## Experience

### Software Engineer Intern – CDAC, Bengaluru

Apr 2025 – Jun 2025

- Developed and deployed Edumate e-learning platform with full-stack features, ensuring stable user access and role-based permissions.
- Executed 120+ test cases for functional, regression, and smoke testing, increasing defect detection efficiency by 25%.
- Automated testing workflows with Selenium + TestNG, supporting faster CI/CD deployment cycles.

### Intern – Edunet Foundation (TechSaksham: Microsoft & SAP)

Dec 2024 – Jan 2025

- Built a human pose estimation system using Python, OpenCV, and TensorFlow for real-time body landmark detection.
- Validated ML pipelines and UI/backend modules, reducing user-reported errors by 20%.

### QA Trainee – QSpiders, Bengaluru

Nov 2022 – Jul 2023

- Authored and executed 100+ manual test cases across functional, regression, and smoke scenarios, ensuring software reliability.
- Developed reusable Selenium + TestNG scripts, enhancing automation coverage and efficiency.
- Logged, tracked, and managed defects for faster resolution and improved test quality.

## Projects

### AI-Driven NLP to SQL Query and Visualization | GitHub

2025

- Developed AI-powered Flask app to convert natural language to SQL queries with interactive dashboards for database insights.
- Integrated MySQL backend and admin panel for query execution, analytics, and database management.

### Examify – Online Exam Platform | GitHub

2025

- Built full-stack exam platform with JWT authentication, RESTful APIs, and role-based access for students and admins.
- Designed responsive React UI and performed functional testing for 500+ users, ensuring smooth system operation.

## Education

### Master of Computer Applications (MCA) – Yenepoya University, Mangalore

2023 – 2025

CGPA: 8.5 / 10

### Bachelor of Computer Applications (BCA) – Kuvempu University, Shivamogga

2019 – 2022

CGPA: 7.1 / 10

## Certifications

Application Development & Full-Stack – Infosys Springboard (2025)

AI & Machine Learning Foundations – Infosys Springboard (2025)