MOHAMMED AZAM

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GitHub — Portfolio — LinkedIn

PROFESSIONAL SUMMARY

Results-driven Full Stack Developer and QA Tester with strong expertise in MERN stack, Java, and MySQL. Proven ability to build scalable web applications and conduct manual and automation testing. Skilled in Selenium WebDriver, test case design, bug tracking, and software debugging. Experienced in working within Agile teams, implementing RESTful APIs, and validating functionalities through structured test plans. Passionate about delivering high-quality software and contributing to cross-functional development and QA teams.

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, Python, SQL
Frontend Technologies: React.js, HTML5, CSS3, Bootstrap
Backend Technologies: Node.js, Express.js, RESTful APIs
Databases: MongoDB, MySQL
Testing Tools: Selenium WebDriver, JUnit, Manual Testing, Functional Testing, TestNG, Postman, Bugzilla (basic), Test Case Design, Defect Tracking
Other Tools: Git, GitHub, VS Code, Netlify
Concepts: Agile Methodology, Software Development Life Cycle (SDLC), CI/CD, MVC Architecture, OOP

INTERNSHIP EXPERIENCE

Software Developer Intern – CDAC, Bengaluru *Apr 2025 – Jun 2025*
- Developed and tested scalable RESTful APIs using Node.js and Express.js.
- Created and executed test cases to validate backend functionality; used Postman for API testing.
- Participated in Agile ceremonies and collaborated with QA to resolve bugs and production issues.

Machine Learning Intern – Edunet Foundation (Remote) *Dec 2024 – Jan 2025*
- Built a real-time human pose detection system using TensorFlow and OpenCV.
- Performed data preprocessing, model training, and performance evaluation using accuracy metrics.
- Simulated real-world inputs via webcam to test ML model effectiveness.

QA Automation Intern – QSpiders, Bengaluru *Sep 2022 – Aug 2023*
- Conducted manual and automation testing using Selenium WebDriver with Java.
- Wrote, executed, and maintained test cases for web applications; performed regression and functional testing.
- Connected test scripts with MySQL for database validation and tested data-driven scenarios.

PROJECTS

Examify – Online Exam Portal [GitHub] *2025*
- Built a full-stack web app using React.js (frontend) and Node.js + Express.js (backend).
- Integrated MongoDB for secure NoSQL storage with JWT-based user authentication.
- Performed functional testing of student-teacher features; verified responsive UI/UX across devices.

Smart Waste Management System [GitHub] *2023*
- Developed a Java Swing application to manage municipal waste collection records.
- Designed user interfaces and implemented CRUD operations using MySQL.
- Created and validated test scenarios to ensure accuracy of report generation.

Human Pose Detection [GitHub] *2024*
- Implemented real-time pose detection using OpenCV and TensorFlow libraries.
- Conducted system testing in various lighting and hardware conditions for robustness.
- Tuned parameters and evaluated prediction accuracy against known test data.

EDUCATION

Master of Computer Applications (MCA) – Yenepoya University, Mangalore *2023 – 2025*
CGPA: 8.6/10 — Specialization: Artificial Intelligence, Machine Learning, Data Science

Bachelor of Computer Applications (BCA) – Kuvempu University, Shivamogga *2019 – 2022*
CGPA: 7.1/10

CERTIFICATIONS

- Agile Project Management – IBM SkillsBuild (2024)
- Machine Learning Fundamentals – IBM Edunet Foundation (2024)
- Selenium Testing Fundamentals – QSpiders (2023)