

AKASH DAS

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🌐 [Linkedin](#) | 🐙 [Github](#) | 🌐 [Portfolio](#) | 🔗 [Leetcode](#)



OBJECTIVE

Motivated professional with a strong foundation in programming, software testing and web development seeking a SDET role to apply technical skills in test automation and quality assurance. With hands-on experience in building web applications, working with Linux environments and completing a specialized SDET course, i am eager to contribute to a team focused on delivering high-quality software. Passionate about utilizing my skills in automation, problem-solving and software testing to help ensure robust, reliable and performant software products.

SKILLS

Programming Languages:	Java, JavaScript, C/C++, SQL
Testing Tools:	Selenium, JUnit, TestNG, JMeter, Mocha, Playwright, Postman
Web Development:	HTML, CSS, JavaScript, React, Node.js, Express.js
Databases:	MySQL, MongoDB
OS:	Windows, Red Hat Linux
Other:	Git, OOP, Data structure and Algorithm, Debugging, Manual Testing

EDUCATION

B.sc. in Electronics and Communication Engineering May 2015 - Feb 2021
Institute of Science and Technology

- Relevant coursework in C/C++, assembly programming and Data structure and Algorithm.

SDET Training Program Aug 2024 - Present
Road to SDET

- Completed coursework related to Manual Testing, Automation Testing, Performance Testing, API Testing, Database Testing.
- Gained hands-on experience in using tools and frameworks such as Selenium, JUnit, TestNG, JMeter, Mocha, Postman and others.

LEETCODE EXPERIENCE

Leetcode Problem Solver ([Leetcode Profile](#)) Jan 2024 - present

- Actively solving coding problems to improve problem solving ability and algorithm skills.
- Solved over 390+ problem in different topics of DSA and SQL.
- Focused on optimizing solutions for Time and Space complexity.

PROJECTS ([GITHUB REPO](#))

Project Title : Playwright Automation Testing with Page Object Model ([Project Link](#))

Technologies Used : Playwright, JavaScript, NodeJS, Allure, Git

Developed an automation testing framework using Playwright and the Page Object Model (POM) to improve test maintainability and efficiency for a web application.

- Designed and implemented the automation framework using Playwright with a focus on reusability and maintainability through the Page Object Model.
- Automated core application workflows including login, user registration, form submissions, user profile editing, user deleting functionality with ensuring cross-browser compatibility.
- Used Allure for test execution and reporting, integrated with Git for version control.

Project Title : TestNG Automation Framework with Page Object Model ([Project Link](#))

Technologies Used : TestNG, Java, Selenium, Gradle, Git

Developed an automation testing framework using TestNG and the Page Object Model (POM) for efficient and maintainable web application testing.

- Designed reusable page objects and automated critical workflows (login, registration, user search, user profile editing) using Selenium and TestNG.
- Integrated Gradle for dependency management and git for version control.
- Generated detailed test reports using TestNG inbuilt HTML report tool.

Project Title : API Automation Testing with Postman and Newman ([Project Link](#))

Technologies Used : Postman, Newman, JavaScript, Git

Developed an automated API testing suite using Postman for test case creation and Newman for command-line test execution, improving API reliability and integration testing.

- Designed and executed API test cases in Postman for various endpoints, including authentication, data retrieval, and CRUD operations.
- Automated test execution using Newman, ensuring continuous API validation.
- Increased test coverage by automating API tests, reducing manual testing effort.

PROFESSIONAL EXPERIENCE

Super Star Electronics Limited

July 2022 - Oct 2024

Assistant Engineer

- Design and optimized manufacturing processes to improve efficiency, reduce waste by 35% and enhance product quality, achieving a 23% increase in throughput.
- Led equipment maintenance program, including preventative maintenance, troubleshooting and repair, minimizing machine downtime by 15%.
- Conducted root cause analysis and implemented corrective actions, reducing product defect through continuous process improvement.
- Collaborated with cross-functional teams (R&D, logistics, QA) to ensure smooth production flows.

3W Business Private Limited

April 2023 - Jun 2023

Internship (Frontend Developer)

- Collaborated in design, development of UI for web applications using HTML,CSS, JavaScript and frameworks like React, Bootstrap.
- Engaged in pair programming sessions with team members, fostering collaboration and knowledge sharing to solve complex problems and improve code quality.
- Participate in code reviews, contributing to the enhancement of overall code quality and ensuring adherence to best practices.
- Worked closely with backend teams to integrate in-house APIs and ensure seamless data flow between the frontend and server-side.
- Conducted unit testing and UI testing for front-end components.
- Assisted in identifying and resolving UI bugs and cross-browser compatibility issues, working with QA teams to ensure a bug-free releases.
- Gained familiarity with version control system (Git) for code management and collaboration.