

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 leverage my skills in test automation, testing methodology and quality assurance. Eager to contribute to the development and testing of robust applications while gaining hands-on experience in software quality assurance.

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
Institute of Science and Technology

May 2015 - Feb 2021

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

SDET Training Program
Road to SDET

Aug 2024 - Present

- 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 400+ 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.

Project Title : Manual Testing of a daily expenses tracker Platform ([Project Link](#))

Technologies Used : MS Office Suite, Git

Conducted manual testing for a daily expenses tracker platform, focusing on ensuring the smooth functionality of features such as user authentication, user expenses adding, user expenses deleting, user expenses updating, user profile editing etc. The platform aimed to deliver a seamless expenses tracking experience for end-users.

- Developed and executed test cases for UI testing, functional testing and usability testing to validate core business processes.
- Conducted manual testing of multiple modules including user registration, login, expenses tracking.
- Conducted UI testing to ensure proper alignment, responsiveness, and overall user experience on both desktop and mobile devices.

PROFESSIONAL EXPERIENCE

Super Star Group 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 work 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.