

# Abinash Mohanty

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## SKILLS

**Languages:** Java, TypeScript, HTML5, SQL.

**Frameworks & Runtimes:** Angular, Spring Boot, SCSS, Node.js.

**Testing:** Karate, Jasmine, JUnit, Karma.

**Tools & DevOps:** Postman, Maven, Jenkins, Jira, GitHub, Docker, Kubernetes.

**Competencies:** System Design, Data Structures & Algorithms (DSA), Agile (Scrum), Debugging.

## WORK EXPERIENCE

### Fidelity Investments | Chennai

**Problem Statement:** To design and implement a custom reporting engine while refactoring the existing product's legacy codebase.

Software Engineer – UI Development

Feb 2025 - Sep 2025

- Engineered Angular(v17) UI components with shared API services, enabling real-time reporting features and achieving a **50%** improvement in component responsiveness; completed project three weeks ahead of schedule.
- Increased code reusability and reduced onboarding time by **50%** by refactoring the monolithic component logic into a **modular parent-child architecture**.
- Reduced selection errors by **40%** by implementing default template logic with reactive forms and conditional rendering.
- Highlighted project impact and gained leadership support as measured by renewed engagement, by presenting the **\$4M** cost-saving migration plan to VP and stakeholders.
- Refined dropdown load performance by **98%**, reducing time from **230s** to under **5s** by optimizing CUSIP **fetch size** and **memory handling**, enabling smooth rendering of over 15,000 entries without leaks.

Test Automation Engineer

Sep 2024 - Jan 2025

- Lowered manual configuration effort by **40%** and accelerated execution cycles by **30%** by implementing automated environment selection in **Karate** and **Bruno** for SIT, UAT, and DEV.
- Improved test coverage by **35%** and lowered post-release defects by **20%** through design and execution of parameterized API test scenarios.
- Cut test maintenance time by **50%** by automating UID retrieval and role-based assignment for RPA, SPA, and Client, enabling consistent integration across test cases.
- Increased data validation accuracy by **45%** and minimized external dependencies by integrating direct database connectivity to execute stored procedures within test scripts.
- Ensured system stability and defect detection rate by **25%** by implementing structured negative test cases in automated API validations.

### Adyogi | Delhi

Frontend Developer Intern

Aug 2023 - Nov 2023

- Improved web application stability, reducing system downtimes by **15%** through effective maintenance.
- Increased mobile traffic by **30%** and decreased bounce rates by **20%** by utilizing responsive design principles.
- Conducted routine code reviews to enforce coding standards and optimize best practices.
- Teamed up with a QA team to identify and resolve bugs, resulting in a **25%** decrease in post-release issues.

## EDUCATION

### Galgotias university

Sep 2020 - May 2024

B.TECH in Computer Science & Engineering(AI-ML)

8.72 CGPA

## PROJECTS

### WorkForce Analytics Dashboard

[GitHub](#) | [Live Demo](#)

**Objective:** To analyze and visualize trends in layoffs and burnout within the private sector workforce from 2000-2025.

**Technologies Used:** Angular 19, TypeScript, Chart.js, ng2-charts, RxJS, PapaParse

- Built a multi-dashboard **analytics application to visualize workforce trends, company-level layoffs, and burnout insights** using real-world CSV datasets.
- Implemented **dynamic KPI computation and data aggregation** (yearly grouping, YoY growth, top companies ranking) directly in the frontend using TypeScript.
- Handled **CSV parsing** using PapaParse and optimized data transformation for efficient client-side analytics.

### Soil-FDD Reporting application(CRUD)

[GitHub](#) | [Live Demo](#)

**Objective:** Visualize whether on-site soil density and composition meet required engineering specifications for development.

**Technologies Used:** Angular 19, TypeScript, Angular Material, Chart.js.

- Implemented CRUD operations to manage soil test records, including data entry, updates, and validation of compaction parameters.
- Designed a reporting interface to compare soil density values with engineering thresholds for construction site approval.

## ACHIEVEMENTS & CERTIFICATION

- AWS Academy Graduate - AWS Academy Machine Learning Foundations. ([Badge](#))
- Smart India Hackathon (2023) pre-qualifiers.
- CodeChef starters division 4 contest **global rank 360**.
- Achieved **97% test coverage across API and UI endpoints** as part of the QA team