

ARMAN LALANI

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EDUCATION

Dwarkadas J Sanghvi College of Engineering, Mumbai University

2021

Bachelor of Engineering (B.E.) | 8.7 CGPA

EXPERIENCE

Associate

June 2025 – Present

Institutional Shareholder Services

Mumbai

- Built a dynamic Field Mapping UI from scratch in React to transform arbitrary Excel uploads into structured, pipeline-ready data, handling header normalization, validation feedback, and error exports.

Fullstack Engineer

June 2021 – May 2025

Tata Consultancy Services

Mumbai

- Collaborated with over 3 clients to gather requirements, design prototypes, and implement final solutions in React based on feedback.
- Designed and implemented a scheduling feature that improved operational efficiency by 30% for upcoming activities over the next 7 days.
- Created dynamic charts and graphs to visualize critical machine parameters, ensuring real-time data visibility and improving response times by 25%.
- Authored comprehensive React unit test cases to maintain 95%+ test coverage, maintaining reliability and performance.
- Provided ongoing support for the application, troubleshooting issues and ensuring system stability for over 500 end users.
- Resolved 10+ cloud vulnerabilities in AWS Lambdas by using AWS Secrets, enhancing data security and compliance.
- Played a key role in replicating and verifying 20+ APIs during database migration, ensuring data consistency through Postman test cases.
- Built an export functionality that allowed users to download actionable insights in Excel format, increasing report accessibility by 40%.
- Delivered monthly presentations to stakeholders on project updates and technical progress.

PROJECTS

Real-Time Manufacturing Analytics Platform | *React, Redux, React Router, Node.js, Highcharts, PostgreSQL*

- Developed a comprehensive analytics platform that delivered real-time insights into manufacturing operations, enhancing decisionmaking through interactive dashboards.
- Implemented a filter feature to display only relevant sensor values, improving the user experience for live monitoring.
- Created customized time series and bar charts to display production and machine performance data, enhancing visual analytics.
- Integrated a shop floor layout view with location-specific machine data, enabling users to track key performance indicators effectively.

TECHNICAL SKILLS

Languages: JavaScript, Typescript, HTML/CSS, SQL

Libraries & Frameworks: React, Node.js, Redux, React Router, Jest, Enzyme, Material-UI, Tailwind, SASS, LESS, Git, Restful APIs, Webpack, NPM, Babel, JSON

Other Skills: Responsive Web Design, Data Structures and Algorithms, Web Performance Optimization, Frontend Development, SonarQube, Technical Development

Developer Tools: Git, Docker, VS Code