

# Aman Vyas

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## PROFESSIONAL & LEADERSHIP EXPERIENCE

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### RefleXion Medical (Data Template) - Company

Bangalore, Karnataka, India

Senior Software Developer

April 2024- Present

#### Treatment Planning System/Treatment Delivery System – RefleXion Medical - Project

- Developed and integrated a treatment planning system (TPS) for SCINTIX therapy using Angular and Electron, reducing plan generation time by 20% and improving efficiency.
- Engineered a treatment delivery system (TDS) with Electron for seamless radiation machine integration, enhancing treatment accuracy by 15% and minimizing delivery errors.
- Optimized real-time data synchronization between frontend, backend, and radiation systems, boosting system reliability by 30% and accelerating treatment cycles.
- Improved treatment precision and patient safety through advanced SCINTIX modeling, contributing to 10-20% better outcomes in radiation therapy.
- Developed Automatron, a React-based automation tool designed to execute TPS and TDS jobs, and run system tests using Playwright, enabling early detection of issues and improving overall system reliability.

### Quest Global - Company

Mumbai, Maharashtra, India

Senior Software Developer

Sept. 2022 – March 2024

#### Workshop Management System - Reliance Industries - Project

- Successfully developed a Workshop Management System using the MERN stack, contributing to a 30% improvement in system scalability, enabling greater user capacity and more efficient data handling.
- Utilized issue tracking system, to document, track, and prioritize defects throughout the product development lifecycle which helped make project management more agile.
- Integrated an issue tracking system (e.g., Jira, Trello) to document, track, and prioritize defects throughout the development lifecycle, significantly enhancing project agility and team collaboration.
- Conducted exhaustive testing, identifying and resolving 95% of bugs, ensuring a reliable, error-free application.

### Control of Work - Project

Mumbai, Maharashtra, India

Senior Software Developer

Sept. 2022 – March 2024

#### Control of Work - Reliance Industries - Project

- Developed cross-device responsive interfaces using React and CSS frameworks (e.g., Tailwind, Bootstrap), ensuring optimal functionality and accessibility across devices, leading to a 25% improvement in user experience.
- Implemented a modular architecture with React component-based design, resulting in a scalable and maintainable codebase that supported a 40% increase in new feature development.
- Integrated real-time collaboration features using technologies like WebSockets or Firebase, enhancing team communication within the React application and contributing to a 30% improvement in productivity and coordination.

### Celebal Technologies - Company

Jaipur, Rajasthan, India

Software Developer - Project

October 2020 - September 2022

#### Automated Vehicle Damage Detection - Reliance General Insurance

- Engineered and optimized an application using AngularJS and Azure services, resulting in a 30% improvement in frontend responsiveness and a 20% reduction in business logic failure occurrences.
- Spearheaded a groundbreaking project that automated vehicle damage detection, utilizing Azure Databricks and Blob storage, leading to a 40% increase in efficiency in insurance claim assessments.
- Significantly reduced post-release bugs by 95% through robust API implementations. Orchestrated provisioning workflows, resulting in a 25% improvement in development lifecycle efficiency following SDLC principles.

## TECHNICAL SKILLS

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**Certifications & Training:** NSDC Full Stack Development

**Tools:** Visual Studio Code, Azure, Microsoft Office Suite, GitHub

**Programming:** HTML5, CSS3, JavaScript, Typescript, Angular, React, Bootstrap, Python, Nodejs, MongoDB, Git

## EDUCATION

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**Oriental Institute of Science and Technology, Bhopal, India**

May 2019

*Bachelor of Engineering - Information Technology*

## ACTIVITIES

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- Successfully represented India in Asian Karate and Commonwealth Karate Championship Earned over 25 medals in National Championship & over 30 in state Karate Championship.