

# PRATHAMESH UGALE

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## PROFESSIONAL EXPERIENCE

### NEXOR TECH SYSTEMS

Pune, MH

Founding Full-Stack Developer (Software Engineer) - **easefeedback.com** : Customer Feedback Platform 04/2025 - Present

- Led the full-stack development of easefeedback.com, a SaaS platform that gamifies customer feedback using a reward-based engagement system for businesses.
- Architected and deployed the complete stack using React (Vite + TypeScript) on the frontend and Node.js + Express + PostgreSQL (Neon DB) on the backend.
- Designed and implemented secure RESTful APIs for user authentication, feedback management, and analytics dashboards.
- Developed responsive UI components using Tailwind CSS and integrated dynamic states, modals, and routing for seamless navigation.
- Deployed production environments via Vercel (frontend) and Render (backend) with CI/CD integration, ensuring high uptime and fast rollout cycles.
- Implemented JWT-based authentication, role-based access control, and API rate limiting to enhance security and user trust.
- Designed and optimized database schemas and query logic in PostgreSQL, improving read/write efficiency for high-traffic use cases.
- Collaborated on UI/UX enhancements, optimizing user onboarding and reward visibility — resulting in improved session engagement during beta testing.
- Managed frontend-backend integration, debugging data flow and performance bottlenecks across environments.
- **Tech Stack:** React.js (Vite + TypeScript) | Node.js | Express.js | PostgreSQL (Neon DB) | Tailwind CSS | JWT Auth | Render | Vercel | Git/GitHub

### PRESANA SYSTEMS PRIVATE LIMITED

Pune, MH

Frontend Developer (Software Engineer) - **Employee Performance Portal** (Internal HR Dashboard)

12/2024 - 04/2025

- Developed and maintained the frontend of a performance tracking portal enabling HR teams to monitor employee KPIs, feedback scores, and productivity metrics.
- Built dynamic dashboards and leaderboards using React.js + TypeScript, integrating multiple REST APIs for real-time data visualization.
- Designed and implemented responsive, accessible UI layouts with Tailwind CSS, ensuring consistent functionality across desktop and mobile devices.
- Implemented state management and conditional rendering for role-based views (HR, Manager, Employee).
- Optimized application performance through lazy loading, component memoization, and code-splitting, achieving a 30% reduction in load time.
- Collaborated with backend and QA teams to validate APIs, perform cross-browser testing, and maintain clean Git/GitHub version control within agile sprint cycles.
- **Tech Stack:** React.js | TypeScript | Tailwind CSS | Vite | Axios | REST APIs | Git/GitHub | Vercel

### SUZLON ENERGY LIMITED

Pune, MH

Software Development Intern

05/2023 - 07/2023

- Spearheaded the creation of a robust web application using React.js, Axios, and Bootstrap libraries, tailored to diverse user segments.
- Orchestrated the specialized development of React components for distinct user experiences, seamlessly adapting to various levels.
- Employed Axios to establish a backend connection, proficiently retrieving data from RESTful APIs, orchestrating efficient data exchanges.
- Crafted refined UI with responsive design using Bootstrap, CSS, HTML, JavaScript, TypeScript, and React's architecture, enriching skills.
- **Tech Stack:** React.js | TypeScript | Tailwind CSS | Vite | Axios | REST APIs | Git/GitHub

## PROJECT: 3D WEB DEVELOPMENT AND ITS MATHEMATICAL APPLICATION - MASTER'S THESIS PROJECT: UNDER PROF. H.S. MAHATO

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- Designed and developed a 3D web application using Three.js and WebGL, applying mathematical models to optimize rendering and scene performance within the browser.
- Implemented Phong Lighting and Shading Models to demonstrate the integration of computational geometry and real-time illumination techniques in a web-based environment.
- Applied mathematical concepts such as vector transformations, matrix operations, and perspective projections to achieve accurate 3D object manipulation and rendering.
- Built interactive user controls for dynamic lighting adjustments, texture mapping, and camera movement, enhancing real-time visualization and engagement.
- Conducted performance benchmarking and optimization of rendering pipelines, validating the efficiency and scalability of web-based 3D graphics for educational and research applications.
- **Tech Stack:** React.js | Three.js | WebGL | JavaScript | TypeScript | Linear Algebra | Phong Lighting Model | Vercel

## EDUCATION

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<b>Indian Institute of Technology, Kharagpur</b>	Kharagpur, WB
Integrated MS, Mathematics and Computing	06/2019 - 04/2024
<b>Savitribai Phule Secondary and Higher Secondary School</b>	Akkalkuwa, MH
Higher Secondary	2018
<b>Chhatrapati Shivaji Public School</b>	Dhule, MH
Secondary	2016

## TECHNICAL SKILLS

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**Frontend:** React.js, Next.js, TypeScript, JavaScript (ES6+), Vite, HTML5, CSS3, Tailwind CSS, Responsive UI

**Backend:** Node.js, Express.js, REST APIs, JWT Authentication, API Integration, Render, Railway

**Database:** PostgreSQL (Neon DB), Firebase, Prisma ORM, Supabase, Schema Design

**Tools & Platforms:** Git, GitHub, Postman, AWS, Vercel, VS Code, Figma, Notion, Trello, Jira

## CERTIFICATE

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### Google Data Analytics Specialization

- Developed expertise in data cleaning, analysis and visualization using spreadsheets, SQL, R Programming
- Demonstrated proficiency in crafting data-driven dashboards and presentations, effectively conveying insights to diverse audience.
- Create a professional spreadsheet for complex calculations, ensuring precision, clarity and efficiency, using Excel or Google Sheets.

### Meta Front-End Developer Professional Certificate

- Acquired mastery in crafting responsive websites utilizing HTML, CSS, and JavaScript, leading to engaging and dynamic user interactions
- Leveraged Bootstrap CSS Framework and React to ingeniously engineer web pages, expertly managing version control through GitHub
- Master React's integration with JavaScript libraries and frameworks for proficient web development in a comprehensive JS ecosystem