

Software Engineer focused on product and impact. Takes ideas from 0 to 1, building reliable, user-centred systems. Designs clean APIs, scalable backends, and full-stack solutions that reduce manual work and improve usability. Open to full-time roles.

## EDUCATION

### New Jersey Institute of Technology

Master of Science (M.S.), Computer Science

New Jersey, USA

Jan 2024 - Mar 2025

Hyderabad, India

### Jawaharlal Nehru Technological University Hyderabad

Bachelor of Technology (B.Tech.), Computer Science

June 2018 - Aug 2022

## TECHNICAL SKILLS

**Programming:** Python, Java, Javascript, Typescript, SQL

**Frameworks:** Node.js, Express.js, FastAPI, Django, Spring Boot, REST APIs, WebSockets.

**Databases:** PostgreSQL, MySQL, MongoDB, Redis, Oracle, S3.

**Cloud, DevOps & Platforms:** Amazon Web Services (AWS), Google Cloud Platform (GCP), CI/CD Pipelines, Supabase.

**Tools & Development Practices:** OAuth 2.0, JWT, GitHub, Test-Driven Development, Agile, SDLC, Postman, Jira.

## EXPERIENCE

### Full-Stack Developer | Community Dreams Foundation | New Jersey, USA

Jul 2025 - Present

Context: Led the architecture, development, and delivery of a commercial cleaning service web application. Owned feature design, backend workflows, database modeling, and stakeholder communication.

- Enabled end-to-end booking, payments, and staff operations by building the platform from scratch with React, TypeScript, and Supabase. Designed workflows, schemas, RBAC, and APIs for Customer, Admin, and Staff portals.
- Reduced manual coordination by about 70% by building over 15 serverless Edge Functions for authentication, bookings, pricing logic, and automated reminder emails to staff and customers.
- Improved platform security and data integrity by implementing JWT authentication and Row-Level Security, enforcing strict access control across customer, admin, and staff portals.
- Standardized pricing and streamlined payments by integrating Stripe Checkout with dynamic recurring billing. Collaborated with stakeholders to refine requirements and deliver features that met business needs.

### Software Engineer | WebMD | Navi Mumbai, India

Apr 2023 - Jul 2023

Context: Developed internal productivity tools to improve task tracking and operational visibility for engineering teams.

- Built a real-time worklog tracking system with Python and Vue.js, allowing employees to record and monitor daily progress with persistent PostgreSQL storage.
- Improved operational visibility by 40% by adding live task-status updates and asynchronous data-fetch mechanisms, reducing communication between teams.
- Containerized and deployed the application with Docker, improving environment consistency and reducing deployment issues in development and production.

### Software Engineer Intern | MinitzGo | Hyderabad, India

Aug 2022 - Mar 2023

Context: Contributed to a real-time e-commerce platform with dynamic product interactions and responsive user flows.

- Built and optimized React components for product listings, search filtering, and infinite scroll with API pagination, improving responsiveness and browsing speed.
- Implemented real-time interactions using WebSockets, enabling live cart updates and inventory changes across user sessions.
- Integrated secure authentication and user flows with robust validation and error handling, reducing login failures and improving reliability.
- Enhanced platform performance by implementing PWA features such as service workers, offline caching, and SEO optimizations, improving mobile usability and load times.

## PROJECTS

### CrowdShield : Real-Time Moderation System | Spring Boot, Redis, PostgreSQL, OpenAI, WebSockets

- Built a real-time moderation engine using Redis queues and worker pipelines to classify harmful content without blocking users.
- Integrated OpenAI APIs with threshold-based scoring and retries to ensure consistent SAFE or FLAGGED decisions during failures.
- Designed secure PostgreSQL schemas with audit logs and job states for reliable tracking of moderation results and admin actions.
- Added WebSocket-based live progress updates to improve user experience and provide clear visibility during moderation.
- Developed an admin dashboard to review flagged content and adjust moderation rules, reducing manual review load and improving safety.

### ChopURL : Custom URL Shortener | Python, FastAPI, Redis, Vue.js

- Delivered microsecond redirect speeds by designing a FastAPI and Redis backend optimized for fast lookups and TTL expiry.
- Increased tracking accuracy by building real-time click analytics and customizable short-code generation workflows.
- Improved admin usability with a secure Vue.js dashboard for link management and engagement insights.
- Reduced redirect latency under load by optimizing API endpoints and Redis operations for high-throughput traffic.

### CineTrail : Discovery & Recommendation System | React, Python, MySQL, WebSockets

- Built a movie discovery engine that delivers fast, relevant suggestions.
- Improved recommendation accuracy with genre-based filtering and cached API responses for high-traffic lookups.
- Enhanced user trust by implementing secure review workflows using validation, authentication, and failure-safe API logic.
- Reduced search latency by optimizing query patterns and database indexing for frequent lookups.
- Increased engagement with real-time UI updates powered by WebSockets for instant review confirmations and status changes.

## ACCOMPLISHMENTS

### National Women Empowerment Award - AICTE LILAVATI

Apr 2021

Honored nationally for leading digital-literacy initiatives empowering 200+ women.

### Academic Excellence & Leadership Distinction

Mar 2021

Honored for academic achievement and leadership in fostering innovation and student collaboration.