

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
Jawaharlal Nehru Technological University Hyderabad Bachelor of Technology (B.Tech.), Computer Science	Hyderabad, India 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.	
<ul style="list-style-type: none">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.	
<ul style="list-style-type: none">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.	
<ul style="list-style-type: none">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 Honored nationally for leading digital-literacy initiatives empowering 200+ women.	Apr 2021
Academic Excellence & Leadership Distinction Honored for academic achievement and leadership in fostering innovation and student collaboration.	Mar 2021