SHARDUL GADADARE

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Full-Stack Software Engineer with 2+ years of experience designing and implementing production features across consulting and product environments using Python, Java, React, Node.js, REST APIs, SQL, CI/CD and AWS.

EDUCATION

Masters of Science in Software Engineering , ***Rochester Institute of Technology*** (GPA 3.71) **Rochester, NY**
(Relevant coursework: Cloud Computing, Software Architecture, Software Quality & Assurance, Database Design & Implementation) Aug 2023-Dec 2025

Bachelor of Electronics and Telecommunication Engineering, ***University of Mumbai*** (GPA 3.50) **Mumbai, IND**
(Relevant coursework: Programming in C and C++, Neural Networks, Object Oriented Programming in Java) Aug 2017-June 2021

TECHNICAL SKILLS

Languages : Python, Java, JavaScript, C++, C, SQL
Backend : Node.js, Express.js, Django, Spring Boot, REST APIs
Frontend : React, HTML, CSS
Databases & Analytics : PostgreSQL, MySQL, MongoDB, DynamoDB, Power BI, Tableau
Cloud & DevOps : AWS, Docker, Terraform, CI/CD (GitHub Actions, GitLab CI), Linux

PROFESSIONAL EXPERIENCE

Cognizant **Mumbai, IND**
Software Engineer July 2021-June 2023

- Increased client satisfaction by 35% by engineering and deploying full-stack features in Python backends and React frontends, enhancing core workflows and overall product reliability.
- Boosted user engagement by 20% by revamping the Cognizant ONE UI in React.js and JavaScript, to improve responsiveness, interaction flow and optimizing component rendering, page load performance for high-traffic modules.
- Improved system uptime by 25% by designing and implementing Linux-based services in C/C++, tuning memory and I/O usage to integrate reliably with existing legacy systems and optimizing performance for stable production operation.
- Accelerated release reliability and developer throughput by automating builds, tests, and deployment workflows; using CI/CD pipelines, pull requests, code reviews, load/stress, unit/integration/E2E tests; across multiple services.
- Reduced API response times and improved scalability by designing and implementing RESTful APIs and background requests, with robust validation and error handling to optimize data processing efficiency.

Siemens **Mumbai, IND**
Software Engineering Intern Jan 2020-April 2020

- Improved prototype operational efficiency by 15% by leading a small team in the development of IoT-based production technology prototypes, automating data collection and control flows for manufacturing scenarios.
- Reduced system deployment time by 10% by delivering real-time IoT solutions, using Python with ARM Embed, Arduino, and Raspberry Pi, aligned with industry stakeholders for scalable implementation.

ACADEMIC PROJECTS

Appli-Tracker: Web application to smartly track your applications, *Rochester Institute of Technology*

- Improved application tracking efficiency by 40% by building a MERN job tracker, using React, Node.js, and MongoDB with notification and calendar views to centralize application status.
- Enhanced user interaction and API performance by developing server-side REST APIs using Node.js and Express.js, using targeted Python scripts and profiling to optimize slow queries and endpoints.

DegreePilot: Course Planner & Degree Audit System, *Rochester Institute of Technology*

- Enabled students to plan conflict-free degree paths in real time by building a full-stack planner with Django, Django REST Framework, PostgreSQL, and React, covering prerequisites, schedule conflicts, credit tracking, and deadlines.
- Strengthened API security and streamlined releases by implementing JWT auth, RBAC, validation, throttling, CSRF protection, CORS and configuring GitHub Actions CI/CD to deploy Django on Render and React on Vercel.

OnCallOps: IT Ticketing & Incident Postmortem System, *Rochester Institute of Technology*

- Streamlined incident visibility and SLA tracking for on-call workflows by building a full-stack ticketing system using Spring Boot, PostgreSQL, and React for SEVs, SLAs, timelines, postmortems, and action items.
- Hardened security and improved deployment reliability by implementing secure REST APIs with Spring Security, JWT, RBAC, audit logging, rate limiting, CORS, and automating builds and deployments via GitHub Actions to Render (backend) and Vercel (frontend).

Nutrikit: AI-Powered Nutrition Tracking System, *Rochester Institute of Technology*

- Cut manual meal-logging time by 60% and achieved 90% meal-scan accuracy by developing a cloud-hosted nutrition app using React Native, AWS Lambda, DynamoDB, Rekognition, and OpenAI APIs for AI diet plans and chatbot support.
- Handled up to 10K daily interactions with 99.9% uptime and 40% lower latency by optimizing a serverless backend built on AWS Lambda, Step Functions, API Gateway, and auto-scaling DynamoDB, improving chatbot resolution rates to 85%.

CERTIFICATIONS

- Android Studio (Coursera); Embedded Systems (We-Can Education); C, C++, Java, Python, Linux (Udemy Business)