SHARDUL GADADARE

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Cloud-focused Software Engineer with 2+ years of experience building and deploying full-stack and AWS cloud–hosted solutions, focusing on clean architecture, scalable APIs, CI/CD and test automation, performance, and reliable services.

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

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%.

FitFlow: Smart Workout Planner and Live Facility Occupancy, *Rochester Institute of Technology*

- Designed a serverless backend to support 1K+ daily requests with p95 latency under 400 ms by orchestrating API Gateway HTTP APIs, AWS Lambda, DynamoDB with TTL, and EventBridge for occupancy ingestion and schedule management.
- Achieved to reduce missed sessions and improve weekly workout consistency by designing a recommendation and notification engine that uses occupancy history, workout plans, and calendar availability to suggest optimal workout times in the React Native app.

TigerTrade: RIT-Only Buy, Sell & Sublet Marketplace, *Rochester Institute of Technology*

- Architected a serverless marketplace backend for 5K+ listings with sub-400 ms p95 latency by building API Gateway HTTP APIs, AWS Lambda, DynamoDB with GSIs, and S3 to power CRUD listings, filters, and ratings.
- Ensured secure RIT-only access and reproducible cloud deployments by implementing authentication with Amazon Cognito, IAM least-privilege roles, and Terraform + GitHub Actions CI/CD for one-click deploy/teardown of all AWS resources in under 10 minutes.

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.

CERTIFICATIONS

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