

EDUCATION

- **University at Buffalo** Buffalo, NY
Master of Science in Computer Science; GPA: - 3.67 Aug 2024 – Dec 2025
- **National Institute of Technology** Jaipur, India
Bachelor of Engineering in Electronics and Communication; GPA: (7.66/10.0) Aug 2017 – July 2021

EXPERIENCE

- **miniOrange** Pune, India
Senior Software Engineer July 2021 – July 2024
 - Led a 12-member team to deliver 10+ cloud-based **Shopify** apps; owned planning, code reviews, releases, and production support in an **Agile/Scrum** setup.
 - Implemented enterprise IAM using **SAML**, **OAuth 2.0**, and **JWT**, reducing onboarding friction and improving security posture for customer deployments.
 - Built and shipped Shopify App Store products (**Inventory Sync**, **Salesforce Sync**) using **Java** and **Spring Boot**, supporting high-volume scheduled syncs and external API integrations.
 - Resolved recurring production incidents (**DB connection timeouts**, **Memcached** crashes, **thread/concurrency** issues, **GraphQL** memory leaks), cutting on-call escalations by improving stability and adding safeguards.
 - Automated **CI/CD** and **Docker** deployments on **AWS** behind a load balancer, reducing release effort and enabling faster rollbacks during incidents.
 - Tech: **Java**, **Spring Boot**, **Redis**, **Memcached**, **GraphQL**, **PHP**, **Shopify Liquid**, **AWS**, **Docker**, **Kubernetes**.
- **ServiceNow** Hyderabad, India
Software Development Intern July 2020 – Nov 2020
 - Integrated ML-driven enhancements into ServiceNow Universal Request using **JavaScript** (client) and **Java** (server) APIs, improving request routing and automation.
 - Delivered mobile UI improvements using **HTML5**, **CSS3**, and ServiceNow UI frameworks, improving usability across common request flows.
 - Built automated regression tests with **Selenium** and **JUnit**, increasing test coverage for new workflows and reducing manual QA effort.
 - Collaborated in a **Scrum** team, contributing to sprint planning, demos, and iterative releases.
 - Tech: **Java**, **JavaScript**, **HTML5**, **CSS3**, **ServiceNow APIs**, **Selenium**, **JUnit**.

PROJECTS

- **Radiant Clothing** [Link](#)
Built a full-stack e-commerce app using **React.js**, **Redux**, **GraphQL**, and **Firebase**. Implemented authentication with **Firebase Auth**, payments with **Stripe**, and scalable routing/state patterns (**React Router**, **Redux-Saga**). Deployed on a **VPS** and tested with **Jest/Enzyme**.
- **Multi-Tenant Customer Support Platform (Tickets + Knowledge Base)** [Link](#)
Developed a multi-tenant backend using **Spring Boot 3** and **PostgreSQL** with strict tenant isolation, **RBAC**, and **JWT + refresh tokens**. Implemented event-driven workflows via **Kafka + Outbox**, added **Redis** caching/throttling, **Postgres FTS** search, and **MinIO** attachment storage. Shipped with **Flyway**, **OpenAPI**, **OpenTelemetry**, **Testcontainers**, **Docker Compose**, and CI/CD on **GitHub Actions**.
- **FinCore - Event-Driven FinTech Microservices Platform** [Link](#)
Built an event-driven FinTech microservices system using **NestJS** and **Next.js** with API Gateway routing, **JWT/RBAC**, and **Kafka**-based communication. Implemented **Saga** transfers with **idempotency keys (Redis)** and retry-safe workflows. Designed an append-only **double-entry ledger** in **PostgreSQL** and a **Fraud** service with configurable rules. Added an ops UI (**Tailwind + shadcn/Radix**), **OpenAPI**, structured logging (**Pino**), **OpenTelemetry/Prometheus**, **Jest** tests, and **Docker Compose** orchestration with CI on **GitHub Actions**.

- **JavaFX Media Player** [Link](#)
Built a cross-platform media player using **JavaFX** and **Java 8** with playback controls, seeking, playlists, and drag-and-drop import. Followed the **MVC** pattern and optimized performance via profiling.
- **Real-time Chat Application** [Link](#)
Built a real-time chat app using **Node.js**, **Express**, and **Socket.io** with rooms, location sharing, and notifications. Used **Mustache.js** for templating and tested with **Mocha/Chai**.
- **Monster Mania** [Link](#)
Built a responsive **React.js** app that fetches external API data and supports fast search/filter using **React Hooks**.

SKILLS

- **Languages:** Java, JavaScript/TypeScript, Python, SQL, C++, PHP, Bash **Frameworks:** Spring Boot, NestJS, Next.js, React
- **Backend:** REST APIs, Authentication/Authorization (JWT, OAuth2, SAML), RBAC, Multi-tenancy, Microservices, API Gateway
- **Data & Messaging:** PostgreSQL, Redis, Kafka, Full-Text Search, Event-driven workflows (Outbox/Saga), Idempotency
- **DevOps & Cloud:** Docker, Terraform, Kubernetes, GitHub Actions, Jenkins, AWS, Azure, Nginx
- **Testing & Tools:** JUnit, Jest, Testcontainers, Flyway, OpenAPI/Swagger, Postman, Git/GitHub, Maven, IntelliJ, VS Code, pgAdmin
- **Storage & Monitoring:** MinIO (S3), Firebase, OpenTelemetry, Prometheus, Structured logging (Pino)