

# NINAD GOVIND PATIL

Stony Brook, New York, 11790

+1 (934) 227-9088 [ninadpatil1452@gmail.com](mailto:ninadpatil1452@gmail.com) [linkedin](#) [github](#) [leetcode](#)

## Education

---

### Stony Brook University

Master of Science in Computer Science | GPA: 3.78/4.0

Stony Brook, NY

08/2025 – 12/2026

### University of Mumbai

Bachelor of Engineering in Computer Engineering | GPA: 3.87/4.0

Mumbai, India

08/2019 – 05/2023

## Technical Skills

---

**Languages:** Java, Python, C++, Go, Bash, PL/SQL

**Backend & Frameworks:** Spring Boot, REST APIs, Distributed Microservices, Hibernate, JPA, FastAPI

**Databases & Data Systems:** MySQL, Oracle 19c, MongoDB, Elasticsearch, SQL Schema Design, Query Optimization

**Distributed Systems:** Kafka, Event-Driven Architectures, Caching, Load Balancing, Service-to-Service Communication

**AI / Machine Learning:** PyTorch, TensorFlow, Scikit-learn, Transformers, NLP, Generative AI, Model Training Pipelines

**Infrastructure & Cloud:** Docker, Kubernetes, Helm, ArgoCD, Nginx, Apache Tomcat, Linux/Unix

**Observability:** Prometheus, Grafana, OpenTelemetry, Jaeger, Log4j2, ELK Stack

**Concepts:** Data Structures & Algorithms, Distributed Systems Design, Machine Learning Fundamentals, Reliability Engineering

## Experience

---

### Intuit

Incoming Software Engineering Intern

Mountain View, CA

05/2026 – 08/2026

### Oracle Financial Services Software

Associate Consultant

Mumbai, India

07/2023 – 08/2025

- Developed and operated Java-based backend middleware services processing >200M daily financial transactions, ensuring high availability and reliability in a distributed banking platform
- Designed a compatibility layer to transform legacy client requests into Oracle Banking Routing Hub-compliant formats, enabling seamless integration with modern services
- Built security-critical backend infrastructure including IP whitelisting, channel validation, and JWT-based authentication for large-scale banking integrations
- Containerized Spring Boot services and deployed them on Kubernetes to improve scalability, resilience, and safe production rollouts
- Improved service reliability using health checks and readiness probes via Spring Actuator to prevent cascading failures during deployments
- Optimized Tomcat thread pools and implemented Kafka-based asynchronous auditing pipelines to increase throughput and improve system resilience

## Projects

---

### Distributed Payment Ledger System | Java, Spring Boot, Kafka, PostgreSQL, Docker

2025

- Built a distributed backend ledger service to process and track high-volume financial transactions with strong consistency guarantees
- Designed idempotent payment APIs and implemented double-entry accounting to ensure correctness and prevent duplicate transactions
- Implemented event-driven transaction processing with Kafka and optimized database schema for scalable transaction storage and queries

## Research

---

### SMAP – Stock Market Analysis and Prediction Web Application

2022

- Published ML-based system for large-scale financial data analysis and prediction (ICACC 2022)

## Leadership

---

### Computer Society of India

Vice President

Mumbai, India

2023

- Led a team of 25 members to organize large-scale technical symposiums and developer events
- Delivered technical workshops on Java and application development to over 250 students
- Collaborated with faculty and industry mentors to design technical programs focused on emerging technologies