

INDRANEEL SARODE

San Jose, CA

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ABOUT

Software Engineer with **professional coding internship experience** building, testing, and delivering **highly scalable cloud products**. Proficient in **Java, Python, C++, and SQL** with a deep understanding of **Object-Oriented Design (OOD)** principles and automated test-driven development (TDD). Adept at accelerating engineering velocity by effectively guiding **LLM coding assistants and agentic tools** (Copilot, Cursor, Gemini), while rigorously reviewing artifacts for system stability. Experienced in using **telemetry and operational metrics** to optimize performance in cross-functional Agile teams, and eager to drive innovation in the agentic era as a part of **Salesforce's 1 AI CRM mission**.

EDUCATION

San Jose State University
Master of Science in Software Engineering GPA: 3.84/4.0
• **Coursework:** Enterprise Software Platforms, Software Systems Engineering, Enterprise Distributed Systems, Enterprise Application Development, Data Mining, Machine Learning, Deep Learning

University of Pune
Bachelor of Engineering in Computer Engineering GPA: 3.87/4.0

2025 – 2026
San Jose, CA, USA

2020 – 2024
Pune, India

TECHNICAL SKILLS

Languages : Python, JavaScript/TypeScript, C++, Java, Kotlin, Swift, Bash, HTML/CSS
Frameworks : FastAPI, Node.js, Express, Flask, Next.js, React, SwiftUI, Jetpack Compose, TailwindCSS
Data/Infra : PostgreSQL, MySQL, MongoDB, DynamoDB, Firebase, Vector DBs (FAISS, Pinecone)
Cloud/DevOps: Docker, Kubernetes, GitHub Actions (CI/CD), AWS (EC2, Lambda, S3, IAM, CloudWatch, ALB), Swagger/OpenAPI, NGINX
Observability: Grafana, Prometheus, Postman, JUnit, XCTest, Espresso, Jest, Playwright — unit/integration/UI testing
AI/ML : LLMs, RAG, LangChain, LangGraph, MCP Servers, Multi-Agent Pipelines, Generative AI

EXPERIENCE

Software Engineer Intern
Microsoft
• Developed AI workflow features for an internal Microsoft **Teams Agent**, enabling engineers to quickly identify whether reported service issues were already tracked and **reducing duplicate incident triage effort**.
• Designed and implemented an Incident Lookup capability to classify incident-related Teams posts, extract meaningful failure signals, and query scoped active/mitigated incident records, **improving speed** and relevance of incident discovery.
• Built and integrated **agent workflows** with existing automation and incident-management tools, surfacing relevant incident details directly in Teams and **reducing** context switching during issue investigation.
• Debugged and resolved issues across AI workflow execution, tool-calling behavior, incident matching, and Teams response formatting, **improving workflow reliability** and reducing unnecessary channel noise.
• **Collaborated** with engineers, mentors, and cross-functional teammates through daily scrums, design reviews, and iterative testing, accelerating feedback cycles and supporting successful validation of the v1 pilot workflow.

Software Engineer Intern
Coditas Solutions LLP
• **Architected and implemented** a high-throughput, horizontally scalable backend microservice using **Java** and Spring Boot, applying strict **Object-Oriented Design (OOD)** principles to increase API processing speed by 35%.
• **Accelerated feature delivery velocity by 40%** by strategically using **GitHub Copilot and Cursor** during production; critically reviewed and refactored AI-generated artifacts to enforce secure, thread-safe execution.
• **Formulated an automated testing strategy** utilizing **JUnit** and Mockito, writing over 120 unit and functional test cases to drive overall codebase test coverage from 68% up to an elite **94%**.
• **Analyzed telemetry data and performance metrics** via Prometheus and Grafana to track down database connection pool starvation; optimized complex **SQL** queries, cutting P99 response latencies by 180ms.
• **Collaborated cross-functionally** with product managers, UX designers, and senior performance engineers in an Agile environment to build, test, and ship breakthrough features adopted by over 50,000 daily active users.

May 2026 – Aug 2026
Mountain View, California

Jan 2024 – Jun 2024

PROJECTS

Agentic Repository Auditor | Python, Gemini API, PyTest, Git, Docker
• Developed an autonomous CLI tool using **Python** that integrates with GitHub repositories to automatically review pull requests and identify memory leaks or algorithmic inefficiencies before deployment.
• Engineered context-aware system prompts guiding a **Gemini-based framework** to evaluate incoming code quality, yielding a 92% alignment accuracy with standard human senior engineer reviews.
• Designed and implemented automated end-to-end integration test suites using **PyTest**, achieving 100% test coverage across core AI parsing modules.

Scalable E-Commerce Analytics Engine | C++, JavaScript, HTML, PostgreSQL, Datadog
• Built a real-time event ingestion engine in **C++** designed to process 15,000+ mock clickstream actions per second utilizing highly optimized object-oriented design patterns.
• Constructed an interactive operational dashboard using **JavaScript and HTML** that queries aggregated relational tables in a localized **SQL** database instance.
• Integrated system-wide telemetry to actively monitor end-to-end processing delays, adjusting memory buffer configurations to ensure extreme system stability under heavy data bursts.

2026

2025

ACHIEVEMENTS

* Developed **Safeguard AI** at Mongo-Db Agents Hackathon, an agentic video intelligence system for law enforcement; ranked **Top 5 out of 80+** teams by leveraging FastAPI, React, and MongoDB Atlas Vector Search for natural language querying of body-cam footage.