

Agrim Jain

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EXPERIENCE

- Oracle Cloud Infrastructure (OCI)**
Member of Technical Staff July 2024 – Present
 - Owned the **OracleWiFi** Windows BYOD client end-to-end, designing and building the application for unmanaged Windows devices on **WiFi Onboarding Service (WOS)**, OCI's SecureW2 replacement serving **240K+ managed devices** and supporting approximately **\$450K/year** in recurring license cost savings.
 - Built the Windows client using MVVM and Clean Architecture, implementing OAuth authentication, SCEP-based certificate provisioning, signed **.exe/.msix** packaging, and contributing to certificate lifecycle APIs with CRUD, reporting, metadata, and DB-backed workflows.
 - Built an AI-powered Change Request reviewer using **OCI Generative AI**, combining LLM reasoning with deterministic validation in **9+** production change dimensions to generate structured JSON recommendations for deployment, rollback, validation, risk and mitigation.
 - Driving migration of EE-PKI certificate management from Orahub to WOS PKI while preserving certificate ownership, reporting, and fallback support and improving production reliability.
- DP World**
Software Development Intern Dec 2023 – Jul 2024
 - Enhanced **3 enterprise backend microservices** using **Java 17, Spring Boot, PostgreSQL, and Redis**; redesigned Retry APIs to improve service reliability.
 - Modernized **3 backend services** by upgrading from **Spring Boot 2.x to 3.2** and **Java 11 to 17**, resolving compatibility issues and validating production readiness.
 - Integrated **Apache Kafka**, built reusable Redis services, and developed a shared **common-client** library to improve asynchronous communication and backend code reuse.
 - Improved engineering quality by implementing automated **JUnit** and **Mockito** test suites with **80%+** code coverage.
- Oracle Cloud Infrastructure (OCI)**
SDE Intern May 2023 – July 2023
 - Built a predictive failure analytics platform for OCI Compute, analyzing hypervisor logs across **100K+ hypervisors** to detect recurring infrastructure failures.
 - Developed scalable log-processing pipelines using Python, Drain3, TF-IDF, and cosine similarity, processing nearly **2M log entries in 2–3 minutes**.
 - Designed sequence-mining and cross-log correlation algorithms for multi-threaded Hypervisor workflows, accelerating root-cause analysis.

SKILLS

Languages	Java, Python, C++, C#, SQL, Go
Frameworks	Spring Boot, Micronaut, LangChain, LangGraph
Technologies	REST APIs, Microservices, Distributed Systems, Kafka, PostgreSQL, LLMs, Generative AI

EDUCATION

International Institute of Information Technology Bangalore	Bangalore, India
Integrated B.Tech + M.Tech in Computer Science and Engineering (AI/ML), GPA: 3.57/4.00	Aug 2019 – Jul 2024

ACHIEVEMENTS

- Received Oracle **Summit Applause Award 2025** for outstanding contributions to the WiFi Onboarding Service.
- Winner**, Smart India Hackathon 2022.
- Runner-up**, The Big Tech Project × DP World Hackathon 2022.
- Runner-up**, IEEE CS Hack the Metaverse 2023.
- Awarded the **Dean's Merit List** at IIIT Bangalore (2020–21).