SANJAY GANDHI

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Professional Summary

Experienced Software Engineer with **5+** years of expertise in backend systems, distributed architectures, and cloud-native solutions. Certified **Bar Raiser at Oracle**, recognized for upholding technical excellence and guiding high-quality hiring decisions. Proven ability to design scalable systems in healthcare, education, and finance domains using **Java, Python, Kafka, and OCI/AWS**. Specialized in **machine learning**, applying techniques such as anomaly detection and **generative AI** to solve real-world problems and enhance system intelligence. Passionate about mentoring juniors, solving complex problems, and driving product impact through innovative technologies and continuous learning.

Experience

Oracle   **April 2024 – Present**
Senior Member of Technical Staff (SDE-3)   *Bengaluru (Remote)*

- Working in Healthcare domain in XR team responsible for Clinical Reporting and output management.
- Architected and implemented **mro-gen-services**, a **Java Micronaut**-based solution for generating medical record outputs. Initially owned one of four microservices, later **redesigned the architecture and delivered three additional services**, established inter-service contracts, and built a POC to validate the design. Leveraged **Kafka, Redis, SQL, Elasticsearch, Large Semantic Object Storage, and OCI Cloud** to enable scalable integration across seven microservices.
- Migrated Cerner enterprise applications to a modern architecture, reducing third-party expenditure and improving user experience.
- Built and led the India Clinical Reporting team — **hiring, onboarding, mentoring, and unblocking engineers**, achieving **80%** team story completion within sprint and **98%** personal on-time story completion.

Google   **Sept 2021 – Feb 2024**
Software Engineer-2   *Bangalore (Hybrid)*

- Worked in **Search India Education Team**, developing features for exam OSRPs to deliver structured educational content.
- Built the **Exam Quiz** feature to enhance user engagement with interactive modules.
- Migrated architecture from entity-driven to intent-driven, impacting **0.05%** of search traffic.
- Launched localized **Exam OSRP** with tabs and content in Hindi, Tamil, and Telugu for better accessibility.
- Designed and integrated a scalable **Language API** for Indic locales in lower-tier cities.
- Collaborated with cross-functional teams to resolve issues, align requirements, and prioritize enhancements.
- Worked on a large-scale **monorepo code-base** involving **C++, Java, Python, gRPC, protobuf** and various internal tools.

Amazon   **July 2020 – Aug 2021**
Software Development Engineer-1   *Hyderabad*

- Worked in **Finance Automation** Team to detect anomalies and duplicates in invoices.
- Implemented ML-based rules (Isolation Forest) discovering over **100M USD** anomalies.
- Designed for Reducing anomaly reporting time to near real-time from **24 hrs** in **Gandalf-Veritas Integration**.
- Built APIs, monitoring dashboards, and used **AWS CDK** to create infrastructure and pipelines for CI/CD.
- Worked on various **Microservices** using **Java, Kotlin, TypeScript, Python, ML, Elasticsearch, DynamoDB** and AWS technologies.

HackerEarth   **Jan 2020 – June 2020**
Problem Curator Intern   *Bangalore*

- Created and tested algorithmic problems for hiring contests at companies like Infosys(Hackwithinfy), Google, Facebook, Nokia, PayPal, and Salesforce.
- Presented a **2-day (10+ hours)** workshop on Advanced Data Structures and Algorithms at MNIT Jaipur to **120+** attendees on behalf of the company.

Technical Skills

Programming & Frameworks: Java, Python, C++, JavaScript, React, HTML, CSS, JS, MERN, Django, PHP
Databases: MySQL, DynamoDB, Elasticsearch, Redis, S3, Redshift(OLAP),MongoDB
Machine Learning & AI: Numpy, Pandas, Scikit-Learn, Random Forest, SVM
Distributed Systems & Cloud: Kafka, SQS, gRPC, WebSockets, AWS, OCI, Docker
Tools: Git, GitHub, IntelliJ, VSCode, Postman, MobaXTerm, SQL Workbench, Jenkins
Software Development: System Design, Design Patterns, Refactoring, APIs, Unit Tests, Documentation, Teaching, Mentoring, Code Reviews

Achievements

- Certified Bar-Tender (**Bar-Raiser**) at Oracle.
- **Oracle Cloud Infrastructure 2025 Certified Developer Professional**
- **Oracle Cloud Infrastructure 2024 Certified AI Foundations Associate**
- **Oracle Cloud Infrastructure 2023 Certified Foundations Associate**
- **CodeChef Certified Data Structures and Algorithms Programme (CCDSAP - advance)**
- Obtained **99.98*** percentile score in eLitmus Test for Quantitative Aptitude.
- Solved **1000+** problems on various competitive platforms.
- **30+** tech certifications over a decade; committed to continuous learning.
- Participated in **3** hackathons, developing projects in **ML and web development**.
- Secured **World Rank 1** in Codechef October Challenge 2018 (DIV2).
- Secured **2nd** rank (out of **175** teams) in University Coding Contest at LPU.
- Secured **5th** rank in National Coding Contest "ALOHOMORA" at NIT Durgapur.
- Secured **21st** rank in National Coding Contest at LNMIIT Jaipur.
- Qualified for **ACM-ICPC Regionals**, secured **85th** rank in Asia Gwalior-Pune Regional, 2018.
- Secured **86th** rank among **60,946** candidates in Rajasthan Pre-Engineering Test, 2014.
- Secured **15,550** rank among **1.26 lakh** candidates in JEE Advanced.

Education

Lovely Professional University *(Jalandhar, Punjab)*   **July 2016 – May 2020**
B.Tech CSE (sp.: Machine Learning)   *CGPA: **9.06/10***

Online Profiles

Github	Leetcode	Codeforces	CodeChef
	Rating: 1811* **top 10%**	Rating: 1813* **Expert**	Rating: 2022* **5-Star**

Personal Projects

Cards Game | *Node.js, Socket.IO, MERN, Docker, Nginx, AWS EC2*   **2025 – Present**
- A real-time multiplayer platform for traditional Indian card games with integrated group chat and culturally rooted gameplay. Emphasized scalability and intuitive UX.

Udhari App | *Flutter, PostgreSQL*   **2025 – Present**
- A person-to-person lending app with upfront interest terms, partial repayment tracking, and friendly reminders to avoid social awkwardness.
- Focused on increasing repayment likelihood while keeping the experience simple and relationship-safe.