Rahul Kumar Mishra

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PROFESSIONAL EXPERIENCE

Oracle   Oct 2025 – Present
Senior Application Engineer   *Hyderabad, India*

- Lead the **Low-Level Design (LLD)** and re-engineering of the Quantity Tree algorithm for non-hierarchical attributes, creating a new computation model that minimizes latency.
- Designed a scalable approach for multi-level quantity reservations across org, item, and subinventory levels, ensuring optimal performance for high-volume datasets.
- Architected and delivered high-performance **REST APIs** for Fusion SCM, enhancing system integration efficiency by **40%**.
- Optimized critical PL/SQL and REST service workflows, reducing database load and improving response times across SCM modules.
- Mentored a team of **3 interns** in ADF, REST, and VBCS, establishing development standards and improving team velocity.

Oracle   June 2023 – Sept 2025
Application Engineer   *Hyderabad, India*

- Architected and optimized SQL queries and PL/SQL procedures, achieving **50% faster execution** for mission-critical SCM operations.
- Developed LPN tracking in the Quantity Tree module, improving inventory traceability and reducing reconciliation errors by **25%**.
- Led UI modernization from Oracle ADF to Redwood design system using VBCS, reducing development time by **30%**.
- Contributed to project "Spectra," applying **High-Level Design (HLD)** principles to migrate legacy monoliths to microservices for increased scalability.
- Resolved **15+ performance issues monthly** from global enterprise clients, ensuring SLA compliance.
- Designed and deployed RESTful APIs used by **50+ enterprise clients** to integrate front-end apps with SCM back-end logic.

Oracle   May 2022 – July 2022
Application Engineer Intern   *Remote*

- Engineered chatbots via Oracle Digital Assistant to automate HR tasks, reducing manual processing time by **40%**.
- Automated leave application workflows, improving HR employee satisfaction scores by **30%**.
- Implemented dynamic context switching and multi-language support for employees across **5+ countries**.

TECHNICAL SKILLS

System Design: High-Level Design (HLD), Low-Level Design (LLD), Microservices Architecture, Scalable Systems
Languages: C++, Java, SQL, PL/SQL
Frameworks & Tech: Oracle ADF, Oracle VBCS, RESTful APIs, Oracle Digital Assistant
Databases & Tools: Oracle Database, Git, ADE, SQL Developer, Jira

EDUCATION

National Institute of Technology Warangal   2019 – 2023
Bachelor of Technology in Computer Science (CGPA: 7.43/10)   *Telangana, India*

TECHNICAL ACHIEVEMENTS

- **Competitive Programming:** Codeforces (Max Rating: 1464) | LeetCode (600+ problems solved)

- **Coursework:** Data Structures & Algorithms, Database Management Systems, Object-Oriented Programming, Software Engineering