

Nistha

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WORK EXPERIENCE

Oracle

August 2023 - Present

Associate Application Developer

- Developed and maintained **RESTful APIs** for cloud-based microservice environments using **Helidon (Java)**, **Jakarta REST**, and **Oracle DB**.
- Executed end-to-end development of **Prepayment Analysis service**, a high-performance tool that analyzes and predicts loan prepayment patterns.
 - **Integrated Python-based analytics** to generate dynamic graphs and matrix reports visualizing prepayment rates across 9+ risk factors, enhancing **risk analysis efficiency by 30%**.
- Built and deployed **the Holiday Calendar** service in **Oracle's RAPID framework (ReactJS based)**, enabling banks to define custom holiday schedules, including fixed/moving holidays and exception lists.
- Designed **SQL schemas** and modified PL/SQL scripts using **Oracle Data Modeler**, supporting new business logic and structural updates for 5+ business teams.
- Resolved **backend and frontend** issues, reducing average downtime of services in the CommonApps team by **20%**. Optimized Java services using SonarQube, achieving a **75% reduction in bug reports**.
- Key Tools & Technologies: Helidon, Rapid, Java, TypeScript, ReactJS, Spring Boot, SQL, Kubernetes, Docker

AlmaBetter

Jan 2023 - June 2023

Research Assistant Intern

- Implemented a full-stack MERN DVD **e-commerce application used by 1000+ AlmaBetter training cohort students**, featuring genre-based browsing, item detail views, cart management, and order processing, with a secure payment API integration for transaction handling.
- Authored **50+ pieces** of technical content and educational resources, including assessments and exercises, covering core programming languages, DevOps, and development frameworks.
- Key Tools & Technologies: ReactJS, Redux, NodeJS, MongoDB

PROJECTS

WeCreate [↗](#)

- Built and deployed a **real-time task management website using WebSockets** to assign, track, and instantly sync tasks and comments across 10+ concurrent users collaborating on a shared project.
- Tech Stack: JavaScript, ReactJS, Firebase, HTML, CSS

SocietyBoard [↗](#)

- Created a **platform for college societies to upload and manage events**, and for 500+ students to view all the upcoming society events at one place in chronological order.
- Tech Stack: JavaScript, NodeJS, ExpressJS, MySQL, MongoDB, HTML, CSS, Bootstrap

SKILLS

- **Programming Languages:** Java, JavaScript, SQL, C++, HTML/CSS, Python (Basics)
- **Libraries/Frameworks:** ReactJs, Helidon, Spring Boot, NodeJs, ExpressJs
- **Tools, Technologies, & other:** Oracle SQL Developer, SQL Data Modeler, Docker, Kubernetes, Git, MongoDB, MySQL, PostgreSQL, CI/CD, REST APIs, System Design

ACHIEVEMENTS

- **Oracle Agent IR Hackathon 2025:** Represented the team in developing an **AI Agent using LangChain** that automatically generates Rapid (proprietary) UI components. It is now being used across teams.
- **GitHub Externship (2022):** Cleared the proposal round for **Dyte**, which provides developer-friendly live video SDKs for integration.

EDUCATION

B.E. in Computer Science and Business System

(2019 - 2023)

Thapar Institute of Engineering and Technology