# Ipsit Das

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## EXPERIENCE

**Oracle** | *Associate IC1, FSGIU*                                        June 2025 - Present

- Working in the **FLEXCUBE OBMA** team on core banking products like **OBPM (Payments)** and **OBBRN (Branch)** used by global financial institutions.
- Writing and optimizing **PL/SQL procedures** to handle transaction workflows, payments, and branch operations at scale.
- Debugging and maintaining **Java-based enterprise modules**, improving system stability and performance.
- Collaborating with senior engineers to integrate business logic with large-scale databases and banking frameworks.
- Exposure to financial domain concepts such as fund transfers, settlements, account lifecycle, and transaction reconciliation.
- Practicing **end-to-end SDLC** — requirement analysis, design, implementation, testing, and deployment in an agile environment.

## EDUCATION

**National Institute of Technology, Andhra Pradesh**                                2021 - 2025
*B.Tech CSE*                                                                         **8.38 CGPA**

## CERTIFICATIONS

- Oracle Cloud Infrastructure Foundation Associate: Certificate
- Oracle Cloud Infrastructure Generative AI Professional: Certificate
- Oracle Cloud Infrastructure AI Foundation Associate: Certificate

## ACHIEVEMENTS

- **Knight** on LeetCode (Best rating 1911, top 4% globally).
- Global rank **390** in LeetCode Weekly Contest 446.
- 3-star on CodeChef (Max rating 1608), global rank **128** in CodeChef Starters 170.
- Top 1% in NPTEL Cloud Computing exam (16,686 candidates).
- Top 5% in NPTEL RSAI exam (3358 candidates).

## PROJECTS

**Banking Application (Training Project at Oracle)** | *Spring Boot, Microservices, Kafka, JPA, MySQL*        July 2025

- Built a banking system using **Spring Boot microservices** with four modules: **customer-service**, **admin-service**, **auth-service**, and **notification-service**.
- Implemented **JWT authentication** in auth-service for secure login and session handling.
- Used **JPA with MySQL** for persistence of customers, accounts, and transactions in a single shared database.
- Integrated **Kafka-based notification-service** to send real-time alerts for deposits, withdrawals, transfers, and admin approvals.
- Supported workflows: customer onboarding with admin approval, fund transfers, deposits/withdrawals, and profile updates.
- github

**Revsy** | *React, Firebase, LangChain, Gemini API*                                      May 2025

- Designed and developed a **React.js** application to manage subject revisions and DSA problems with structured markdown-based notes.
- Implemented two page types: **Concept Pages** (editable concepts) and **Problem Pages** (problem groups with notes).
- Integrated **Firebase Authentication** and **Firestore** for user management and persistent storage.
- Used **Gemini 2.0 Flash API** with **LangChain** to auto-generate concise summaries for problem statements.
- Live App | GitHub

**Laplace Embedding for Complex Query Answering** | *Knowledge Graphs, PyTorch, Mathematics*        April 2025

- Proposed a novel **Laplace distribution**-based embedding model for answering complex logical queries on **knowledge graphs**.
- Implemented and trained models on benchmark datasets **FB15k-237** and **NELL**.
- Outperformed state-of-the-art probabilistic models on FB15k-237 by over **5%** in **MRR**, **Hit@1**, **Hit@3**, and **Hit@10**.
- GitHub

## SKILLS

**Languages**: Python, Java, C++, SQL, JavaScript, HTML/CSS
**Frameworks/Tools**: Spring Boot, PL/SQL, React.js, Django, Redux, PyTorch, TensorFlow, Keras, NumPy, Pandas, Scikit-Learn, Flask, Streamlit
**Concepts**: Data Structures & Algorithms, System Design (LLD & HLD), Microservices, Database Management, Distributed Systems, AI/ML, NLP, Computer Vision, CI/CD

## CLUBS AND ACTIVITIES

**Google Developer Student Club, NIT Andhra Pradesh** | *Associate Web Developer*

- Contributed to the frontend of the GDSC website, ensuring mobile responsiveness and accessibility.
- Built team profile pages that improved visibility and user experience.
- Certificate