

Lakshmi N

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About me

I'm a recent graduate with a BE degree, equipped with a solid foundation in programming languages such as Python, PHP, and MySQL. Currently working as an Associate Software Engineer at XcelCorp, I contribute to dynamic projects where I apply my problem-solving abilities, time management skills, and clear communication to drive results. I am eager to continue expanding my expertise in software development and contribute to innovative projects that make a meaningful impact..

Experience

Associate Software Engineer

Bangalore

Xcel Corp(USA)

- Designed and optimized complex **SQL** queries, which include **Joins**, **Subqueries**, and **Aggregate functions** to handle large datasets efficiently and thereby improve application performance.
- Implemented database features including **Triggers**, **Views**, and **Stored procedures** to automate certain business processes, enhance the degree of data abstraction, and encapsulate business logic for code reuse ability.
- I worked extensively with **PHP** and **MySQL** for backend development, API integration, and query optimization to ensure scalability and efficiency in dynamic applications.
- Used **Redis** for in-memory caching and real-time data access, and **Python** for scripting, automation, and backend enhancements in multi-functional projects.

Education

The Oxford Collage of Engineering

Dec 2020 – May 2024

Visvesvaraya Technological University

BE in Computer Science

- GPA: 8.3
- **Coursework:** Web Development, Database Management Systems, Object-oriented Programming

Projects

Manex E-Commerce Platform

- A transaction site capable of handling product listings, managing customer orders, and tracking shipments
- Features order management with an easy interface for browsing products
- Optimized database queries for large-scale data handling, improving system performance
- Tools Used: Mysql, Joins, Subqueries, Python, JsonArrayArg

AI-Powered Learning Management System (AI LMS)

- A dynamic learning management system with AI integration in generating content and improving the user learning experience
- Developed a database to manage users, courses, and AI-generated content efficiently
- Optimized data queries to support a scalable system as user and content volumes grew
- Tools Used: Triggres, Views, Procedures, Normalisation, Python

Skills

Languages: MySQL, Python, MongoDB, PHP

Technologies: MySQL Workbench, VS Code, XAMPP, Postman, PowerBI