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Projects

Shop Sphere | Django, PostgreSQL, Redis (Cache & Message Broker)

November 2023 - January 2024

- Architected an E-commerce backend using Django and PostgreSQL, implementing Redis caching to accelerate response times and enhance scalability.
- Integrated OTP-based authentication, reinforcing security and ensuring seamless user verification for a frictionless shopping experience.
- Designed and executed comprehensive unit tests and stress testing, optimizing database performance and fortifying system reliability under high traffic loads.
- Link: <https://shop-sphere-frontend.onrender.com>

GymZoid | HTML, CSS

September 2023 - October 2023

- Developed a responsive static website for a gym, optimizing for desktop platforms.
- Designed and implemented user-friendly pages showcasing gym services, schedules, and trainer profiles.
- Utilized HTML and CSS to create a visually appealing and easy-to-navigate website
- Link: <https://forkmemaybe.github.io/gymzoid/>

Library Management System | C++

August 2022 - September 2022

- Implemented functionalities for student and admin authentication, book issuance, and inventory management using unordered_map and vector for efficient data handling.
- Implemented persistent data storage by integrating file handling (fstream) to save and load book and user records, ensuring data is retained across sessions.
- Designed an interactive console-based UI allowing admins to manage books and students, and students to issue, return, and view their issued books, enhancing usability with structured menus and role-based access.
- Github Repository Link: <https://github.com/ForkMeMaybe/Library-Management-System>

Certificates

Social Networks

November 2024

NPTEL — [Certificate Link](#)

AWS Certified Cloud Practitioner

December 2023

LinkedIn — [Certificate Link](#)

Learning Cloud Computing: Core Concepts

October 2022

LinkedIn — [Certificate Link](#)

A Beginner's Guide To Public Cloud

September 2022

LinkedIn — [Certificate Link](#)

Technical Skills

Languages C++, Python, Java

Technologies/Frameworks: Django REST Framework, Git, GitHub, Linux, Ansible, PostgreSQL, Amazon Web Services

Skills: Data Structures and Algorithms, Problem-Solving

Achievements

- Grand Master League in Code360
- Leetcode 50 Days Badge 2024

Education

Lovely Professional University Punjab

2022 – Present

Computer Science and Engineering — CGPA: 7.8

Jalandhar, Punjab

Rajendra Lohia Vidya Mandir

Hathras, Uttar Pradesh

12th with Science — Percentage: 72%

2021 – 2022

10th with Science — Percentage: 90.6%

2019 – 2020