Gaurav Patel

B.Tech – Information and communication technology

202301197@dau.ac.in Gaurav Patel Gaurav-197

Dhirubhai Ambani University
Technology
Formerly DA-IICT

Education

Dhirubhai Ambani University 2023 - Present
CPI: *5.56* *Gandhinagar, Gujarat*

12th : B.A.P.S Swaminarayan Vidhyamandir(GHSEB) 2022 - 2023
Percentage:*77.07* *Valsad, Gujarat*

10th : B.A.P.S Swaminarayan Vidhyamandir(GHSEB) 2020 - 2021
Percentage:*87.17* *Valsad, Gujarat*

Projects

Library Management System (C++ Project) | *C++, STL, OOP, File I/O, CLI*

- **Built a complete console-based system** with distinct **Admin and User roles**, featuring secure login, book issue/return, and interactive menus.
- Implemented automatic user tracking: users are **created on issuing a book** and **removed after all returns**, improving data cleanliness.
- Used efficient data structures like `unordered_map` (for fast ID-based access) and `map` (for sorted displays).
- Enabled **persistent storage** via `books.txt` and `admins.txt` using file I/O with `fstream`.
- Modularized code across multiple folders (`include/`, `src/`) following clean coding principles and CLI formatting with `iomanip`.

Shabd-Setu: A Blogging Platform | *MERN Stack, Tailwind CSS, REST API*

- Developed a **full-stack blogging platform** enabling users to create, read, filter, and interact with blog posts.
- Implemented **ArticleCard component** for responsive UI and a **filter bar** to display category-based blogs dynamically.
- Built using **MongoDB, Express, React, Node.js**, with Tailwind CSS for responsive design.
- Designed the platform with scalability, load balancing, and SEO-friendly practices in mind.

Technical Skills

Languages: C++, C, SQL, JavaScript
Developer Tools: Git, VS Code, Linux Shell
Frameworks: React, Node.js, Express.js, Tailwind CSS
Cloud/Databases: MongoDB, MySQL, Dia
Soft Skills: Team Collaboration, Problem Solving, Communication, Time Management
Coursework: Data Structures and Algorithms, Operating Systems, DBMS
Areas of Interest: Full-Stack Development, Competitive Programming, AI & Automation

Position Of Responsibility

Volunteer Intern (Rural Internship) Dec 2024
Agastya International Foundation *45 hours*

- Engaged in hands-on STEM teaching activities for rural students under Agastya's TEACHING department.
- Contributed to nurturing curiosity and creativity by facilitating science-based learning during a 3-week rural internship.

Achievements

- Solved 50+ competitive programming problems across and LeetCode, demonstrating strong algorithmic thinking and proficiency in C++ .