Dhaval Malsattar

B.Tech – Mathematics and Computing

✉ mail   in linkedin   github

Dhirubhai Ambani University Technology
Formerly DA-IICT

Education

Dhirubhai Ambani University	2022– Present
CPI: 8.75	*Gandhinagar, Gujarat*
BAPSSwaminarayan Gurukul, GONDAL (GHSEB)	2021– 2022
Percentage: 85.84%	*Gondal, Gujarat*
Shree Sahayog Saraswati Vidhya Mandir (GSEB)	2019– 2020
Percentage: 86.83%	*Anjar-Kutch, Gujarat*

Projects

Basic Eaxm Portal | *React, Node.js, Express.js, MongoDB*
- Engineered a secure full-stack online examination portal supporting live tests with email OTP authentication and timed auto-submission.
- Integrated anti-cheating measures (forced fullscreen mode and active tab-switch detection with alerts).
- Developed intuitive UIs for students and admins and robust backend logic to streamline exam scheduling and results processing.

Developers-Forum | *Node.js, Express.js, PostgreSQL, Redis*
- Built a scalable discussion forum backend. Enabled hierarchical threads, board-based categorization, nested comments, dynamic tag management, and role-based access control.
- Implemented with Node.js/Express, using PostgreSQL (for users, threads, comments, votes, tags) and Redis (for session management, caching frequently used data, and rate limiting).

Car Dealer Management System | *Java, JDBC, PostgreSQL*
- Designed and implemented a database-driven Java application for an automotive dealership.
- Created a normalized PostgreSQL schema to manage vehicle inventory, customer records, and sales transactions.
- Designed a database schema and Implemented using PostgreSQL and Eclipse.

Technical Skills

Languages: C++, C , Java (basic), JavaScript, SQL, Python (basic)
Developer Tools: Git, Postman, VS Code, MongoDB Compass, PgAdmin, Latex, Colab
Libraries/Frameworks: React.js, Node.js, Express.js
Cloud/Databases: MongoDB, PostgresSQL , Redis
Soft Skills: Team Collaboration, Problem Solving, Time Management
Coursework: Data Structures and Algorithms, Operating Systems, DBMS, Machine Learning, Object Oriented Programming
Areas of Interest: Backend Development, Competitive Programming, Mathematics, DSA

Position Of Responsibility

Event Coordinator	Nov 2023
Concourse , Collage Sport Fest	

- One of the Coordinator a large-scale sports tournament; managed match scheduling and operations, enforced fair-play rules, and improved participant engagement through clear communication and logistical planning.

Achievements

- Ranked **72nd** statewide in the GHSEB ACPC merit list (2022).
- Codeforces max rating:**1465(Specialist)** (ID:DhavalM21)
- **3-Star** on CodeChef (ID:dhavalm21)
- Solved 700+ problems on competitive programming various platforms.
- Ranked **1600/36,000+** in Codeforces Round #1029 and **1434/33,000+** in LeetCode Biweekly Round #163.