

# PRIYANSH LATHIGARA

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## PROFESSIONAL SUMMARY

Software Engineering student with strong foundations in data structures, algorithms, and database systems. Hands-on experience building scalable web applications and RESTful APIs using modern technologies. Proficient in problem solving, backend development, and collaborative software development. Seeking internship or entry-level software engineering roles.

## SKILLS

Languages	C++, SQL, JavaScript, Python
Frameworks & Libraries	React, Node.js, Express, Pandas, NumPy, Matplotlib
Databases	MongoDB, PostgreSQL
Developer Tools	Git, Postman, VS Code, Figma
Coursework	Data Structures and Algorithms, DBMS, Agile SDLC, Software Testing
Soft Skills	Logical problem-solving, Deadline management, Continuous improvement mindset

## EDUCATION

<b>B.Tech in Information and Communication Technology</b> Dhirubhai Ambani University (Formerly DAIICT), Gandhinagar CPI: 6.88	2022 – Present
<b>Higher Secondary (GHSEB)</b> Shree Raj School, Rajkot Percentage: 86.15%	2021 - 2022
<b>Secondary (GSEB)</b> Maruti Motherland School, Rajkot Percentage: 91.33%	2019 - 2020

## PROJECTS

<b>Expensify – Budget Management System</b>   React.js, Node.js, Express.js, PostgreSQL, Tailwind CSS	<a href="#">Github</a>
• Architected a responsive full-stack expense and budget management application with role-based dashboards for tracking and analyzing daily spending.	
• Built secure RESTful APIs using Node.js and Express.js, integrated with PostgreSQL (NeonDB) to support scalable and reliable data storage.	
• Implemented JWT-based authentication and role-based access control to manage user sessions and protect user data and financial information.	
• Delivered real-time budget alerts and interactive data visualizations using Chart.js and Tailwind CSS to improve financial insights and user experience.	
• Applied Agile (Scrum) development practices by defining user stories, acceptance criteria, and contributing to sprint planning, reviews, and feature delivery.	
<b>LinkSlice – URL Shortener Platform</b>   Node.js, Express.js, MongoDB, JWT, EJS	<a href="#">Github</a>
• Engineered a scalable URL shortening web application enabling fast redirection and click-count analytics for shortened links.	
• Created secure RESTful APIs using Node.js and Express.js with JWT-based authentication and role-based access control for multi-user management.	
• Utilized MongoDB to efficiently store and retrieve URLs, user data, and access history, ensuring high performance and scalability.	
• Built dynamic, server-side rendered dashboards using EJS to visualize link statistics and user activity.	

- Strengthened application reliability and security by adding centralized error handling, input validation, token verification, and protected API routes.

## StreamWave – Twitch-Inspired Database System | PostgreSQL, ER Diagrams, Normalization

[Github](#)

- Modeled a relational database schema for a streaming platform supporting users, streams, chats, and subscriptions.
- Constructed ER diagrams and applied database normalization up to BCNF to ensure data consistency and eliminate redundancy.
- Authored SQL scripts for full CRUD operations, enabling efficient data insertion, retrieval, updates, and deletion.
- Optimized database performance by applying indexing strategies and evaluating query execution for frequently accessed tables.
- Enforced data integrity using primary keys, foreign keys, and constraints to maintain referential integrity across entities.

## SOFTWARE ENGINEERING PRACTICES & TECHNICAL EXPOSURE

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- Applied RESTful API design principles following MVC architecture to improve modularity, reusability, and maintainability of backend services.
- Implemented authentication and authorization workflows using JWT to manage secure user sessions and protect application resources.
- Worked with relational and NoSQL databases including PostgreSQL and MongoDB, applying schema design, normalization (BCNF), and indexing techniques.
- Engineered optimized SQL queries involving joins, subqueries, aggregations, and query performance tuning.
- Followed Agile (Scrum) software development practices, contributing to sprint planning, task estimation, and incremental feature delivery.
- Used Git-based version control for collaborative development, including branching, merging, conflict resolution, and code reviews.
- Debugged backend and frontend issues by analyzing logs, handling edge cases, and improving error handling and input validation.

## ACHIEVEMENTS

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- Scored **108.75/120** in GUJCET (ACPC Rank: **218**) and **97.14 percentile** in JEE Mains (AIR: **25,862**).
- Completed **300+** **coding problems** across competitive programming platforms.
- Achieved **1650+** **rating** and solved **250+** **problems** on [LeetCode](#).
- Solved **50+** **problems** and earned **2★ rating** on [CodeChef](#).