RUSHIL PATEL

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EDUCATION

Institute of Technology, Nirma University (Ahmedabad, India) Sep 2022 – May 2026
Bachelor of Technology, Computer Science and Engineering(CSE) GPA: 8.95/10

PROFESSIONAL EXPERIENCE

Technotery Jun 2024 – Present
Assistant Software Engineer - Trainee
- Developed a **voice-command-based web application** for finance management, similar to **Splitwise**, enhancing user interaction through **speech recognition.**
- Utilized **ReactJS** with **react-speech-recognition** for **speech-to-text** functionality on the frontend and implemented backend services using **NodeJS with Express.**
- Leveraged **Amazon Bedrock (AWS)** for extracting relevant information from user commands, employed **Amazon DynamoDB** for data storage and management and utilized **AWS Lambda** for deploying **serverless** functions.

TECHNICAL STRENGTHS

Programming Languages	C++, Java, JavaScript, C, HTML, Python
Database Tools/Languages	SQL*Plus, MongoDB, Amazon DynamoDB
Frameworks and Libraries	NodeJS, ReactJS, ExpressJS
Cloud Services	AWS Bedrock, AWS Lambda, Render, Vercel
Operating Systems	Linux, MacOS, Windows
Relevant Course Work	Data Structures and Algorithm, OOP, AI & ML, Software Design, OS, DBMS, Maths, Statistics

RELEVANT PROJECTS

Portfolio Website (*Github*) (*Live Demo*) May 2024 - Jun 2024
- Developed a **responsive** portfolio website with **ReactJS** and **VITE**, ensuring **optimized load times** and **high interactivity**.
- **Tech Stack Used : ReactJS**

FitFreaks (*Github*) (*Live Demo*) Feb 2024 – Apr 2024
- Developed a **Full-Stack** Fitness Tracker using the **MERN** stack with a focus on **graphical workout representation.**
- Implemented seamless **User Authentication**, **State Management**, and **Modular Components** to enhance user experiences. Utilized **React Router** for efficient navigation and **Cookies** for persistent user data.
- **Tech Stack Used : MERN**

Cricket Player Statistics Management System (*Github*) Nov 2023 – Dec 2023
- Developed a **C++** application utilizing **data structures (Linked List, Priority Queue, Maps)** to streamline cricket player statistics management.
- Integrated **JSON** for efficient data storage and retrieval, enhancing data persistence and accessibility.
- **Technologies Used : C++**

Learning Management System (*Github*) Oct 2023 – Nov 2023
- Created a **Java-based** Learning Management System (LMS) emphasizing seamless execution and user-friendly features through **Object-Oriented Programming principles.**
- **Technologies Used : Java**

HACKATHONS

ClientConnect (*Devfolio*) (*Video*) Apr 2023 – Apr 2023
- Contributed to the collaborative development of ClientConnect as part of a team in **HACKNUTHON 4.0** by CSI (Nirma University).
- We achieved a **top-10 ranking** out of approximately **50 teams** in the competition within our track, showcasing the project's excellence.
- **Technologies Used : Sqlite , Flutter**

ACHIEVEMENTS

Solved **200+ problems on CodeForces** with a rating of **1075.** (CodeForces Handle)
Solved **100+ problems on LeetCode.** (LeetCode Handle)
Secured **7th position** out of **222 participants** in a contest held by **Nirma University.**
Secured **8th** and **16th positions** in two **Codeforces** contests hosted by **Code Adda, Nirma University**.
Obtained **96.59** percentile in **Joint Entrance Examination (JEE).**

CERTIFICATES

1x Academic Excellence Certificate (Nirma University)
3rd SEM for scoring 9.43 SGPA

2x Certificate of Scholar (Nirma University)
1st and 2nd SEM for scoring 8.57 and 8.83 SGPA respectively