

# RUSHIL PATEL

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## EDUCATION

Institute of Technology, Nirma University (Ahmedabad, India)  
Bachelor of Technology, Computer Science and Engineering(CSE)

Sep 2022 – May 2026  
GPA: 8.88/10

## PROFESSIONAL EXPERIENCE

### Technotery

Assistant Software Engineer - Trainee

Jun 2024 – Jul 2024

- 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 **ExpressJS**, **increasing efficiency by 65%** compared to traditional methods.
- 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, Python, HTML
Database Languages	SQL, MongoDB, DynamoDB, Firestore
Frameworks and Libraries	NodeJS, ReactJS, ExpressJS, Swing
Cloud Services	AWS Bedrock, AWS Lambda, Firebase Auth, Amazon API Gateway, Render, Vercel
Relevant Course Work	Advanced Java, ML, DSA, OOP, DBMS, FSWD, OS, Computer Network, Maths, Statistics

## RELEVANT PROJECTS

### Civic Pulse ([Github](#)) ([Live Demo](#)) ([Video](#))

Jun 2024 - Aug 2024

- Developed** a solution connecting technology with **real-world business needs** by leveraging **Firebase**, **Google Cloud Platform (GCP)** and **Gemini API** to automatically route community issues to the appropriate departments for efficient resolution.
- Technologies Used** : ReactJS, ExpressJS, NodeJS, Firebase, Google Cloud Platform, Render, Vercel

### FitFreak ([Github](#)) ([Live Demo](#))

Feb 2024 – Apr 2024

- Led** a team in developing a **Full-Stack Fitness Tracker** using the **MERN** stack, with **State Management** and graphical workout representation. Utilized **React Router** for navigation and **Cookies** for persistent user data.
- Technologies Used** : ReactJS, ExpressJS, NodeJS, MongoDB, Render, Vercel

### Cricket Player Statistics Management System ([Github](#))

Nov 2023 – Dec 2023

- Partnered** in the development of a **C++** application utilizing **data structures (Linked List, Priority Queue, Maps)** and integrated JSON for data storage to streamline cricket player statistics management.
- Technologies Used** : C++

### Learning Management System ([Github](#))

Oct 2023 – Nov 2023

- Collaborated** in creating a **Java-based** Learning Management System (LMS), emphasizing seamless execution and user-friendly features through **Object-Oriented Programming principles**.
- Technologies Used** : Java

## HACKATHONS

Ranked **352<sup>nd</sup>** out of **74,846** registered teams in **Amazon ML Challenge Hackathon 2024**.

Achieved **top-50** ranking in **Smart India Hackathon 2024** (College Level).

Secured **top-10** ranking out of approximately **50** teams in the **HACKNUTHON 4.0** by CSI, Nirma University. ([Devfolio](#))

Participated in **Gen AI Exchange Hackathon** by Google 2024.

## ACHIEVEMENTS

Selected for **Amazon ML Summer School 2024**, ranking in the **top 3000** out of approximately **85,000** participants. ([Certificate](#))

Attained **Pupil Rank (Peak Rating : 1305)** on **CodeForces**. ([CodeForces](#))

Ranked **887** out of **34,718** participants in **Codeforces Round 974 (Div. 3)** contest.

Core Member of **Google Developer Group's Cloud/CyberSecurity Team** (Nirma University).

Solved **500+** **Data Structure** problems on **Coding Platforms** like **LeetCode**, **Codeforces** and **Vjudge**.

Achieved **7<sup>th</sup>** position in a coding contest at **Nirma University** out of **222** participants.

Placed **8<sup>th</sup>** and **16<sup>th</sup>** in two **Codeforces** contests organized by **Code Adda**, Nirma University.

## CERTIFICATES

**Supervised Machine Learning: Regression and Classification** (Coursera, DeepLearning.AI, Stanford) ([Certificate](#))

**JP Morgan Chase Software Engineering Job Simulation** (Forage) ([Certificate](#))

**Google AI Essentials** (Coursera, Google) ([Certificate](#))

**1x Academic Excellence Certificate & 3x Certificate of Scholar** (Nirma University)