Rhea Patel
Btech Computer Engineering Undergraduate

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Skills

Languages: Java, Python, C++, MERN Stack, HTML CSS JS, PHP, SQL
OS: Windows, MacOs
Technologies and Tools: MongoDB, AWS, R Lab, PowerBI, Android

My Goal

My goal is to apply technology to solve problems through innovative solutions. I focus on collaboration, relationship-building, and maintaining a curious mindset to continuously learn and contribute to solutions.

Work Experience

Share India Insurance Brokers | Internship
Role: Full Stack Developer   May'24 - Jul'24

- Built an HTML/JS-based web application with PHP backend for auto-generating Apollo Hospital privilege wellness cards, reducing card generation time by 70%.
- Built a personalized insurance FAQ chatbot with Python and transformers semantic search on excel database, improving customer support.
- Designed a premium estimation system using the MERN stack, achieved policy comparison efficiency by 30% for both customers and employees.
- Automated bulk and scheduled email processes with Python and SMTP, reducing communication time by 70% and cutting employee workload by 75%.
- Gained knowledge on site deployment using AWS.

Sampoorna Shiksha, Motilal Nehru High School (NGO+School) | Internship
Role: Teaching Intern   May'22 - Jul'22

- Improved 8th-grade English skills by creating content, increasing participation and public speaking confidence, resulting in an all-English drama performance.
- Led ChatGPT, AI workshops for underprivileged students, boosting engagement and exploration capabilities.

Projects

VOLT - Voice-Optimized Lead Targeting | Project Head, Lead Developer
Language: Python, React, APIs, ML Tools   Nov'24 - Present

Built and led a team of 4 in the live development of an AI-powered voicebot for telecallers, implementing call service APIs, STT, TTS, and fine-tuned models like Gemini, integrating company data and sentiment analysis to enhance real-time conversations and drive product marketing and insights. Developed proficiency in full stack development, working with documentations and enhanced leadership skills by coordinating with company and decision making.

EquiBail - Bail Reckoner | Lead Developer
Language: Python, MERN, APIs, ML Tools   July'24 - Present

Led team to brainstorming sessions with law professors to design a platform fine tuning InLegalBERT pre-built model for streamlining the bail process using undertrials history and data, to improve efficiency, reduce jail overcrowding, and cutting costs for legislatures and undertrials, resulting in exploring legal tech solutions and APIs. I also enhance my skills in idea pitching and problem ideation in hackathons.

Brainstormie - LR development app | Developer
Language: Python, Kivy   July'23 - Nov'23

Android application designed using the kivy framework for interface and python for backend development to enhance the user's logic and reasoning skills helping them to enhance their aptitude skills, while I gained knowledge on building android apps with apk generation without the use of android studio environment.

BookBarter - Book Exchange App | Developer, Manager
Language: Java, Android   July'21

A contribution in ideation to build an app for book lovers using a java and xml using android studio, to exchange books fostering collaborations. (Play Store App)

Research Papers

Paper Title: Comparing Algorithms for Travel Sales Problem Optimisation
Conference: IEEE ICPEICES 2024   Apr'24

Developed R lang code to analyze greedy and dynamic algorithms for TSP, with a report including graphs and conclusions. (Certificate received, publication in process)

Academics

Qualification	Institute	Board / University	Year	% / CGPA
B Tech CE	NMIMS Navi Mumbai	NMIMS University	2024	2.98/4 as per Sem 4
HSC - XII	Vidyalankar Institute - integrated	Maharashtra State Board	2022	83%
SSC - X	Euro International School	ICSE	2020	88%

Extra-Curricular Activities

Certification	- The Design Thinking Challenge - Mumbai 2033 | BITSoM Beacon: Finalists - Microsoft Azure | by Microsoft Learn Student Ambassador
Activities	- District Level Swimmer - Contributor of the book: Action Oriented Winning Choices - Blogging and content writing on Artificial Intelligence like technical domains