

# HARSHAL PARMAR

VADODARA , INDIA

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## SUMMARY

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Tenacious final-year B.Tech CSE-AI student with a strong foundation in computer science and a passion for technology. Proficient in Python and developing full-stack applications using the MERN stack. Hands-on experience with databases , Experienced in data analysis and leveraging Microsoft Azure for cloud computing and deployment. Adept at version control with Git. Demonstrates excellent problem-solving skills, analytical thinking, and a quick learning ability, eager to contribute innovative solutions and effectively collaborate in fast-paced teams while continuously expanding knowledge.

## EDUCATION

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### Parul University

*Bachelor of Technology in Computer Science*

**Jun 2021 – May 2025**

*Vadodara, Gujarat*

## EXPERIENCE

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### TECHNOHACKS EDUTECH

*Data Analyst Intern*

**Mar 2024 – Apr 2024**

*Virtual*

- Cleaned and transformed raw datasets into structured formats for further analysis.
- Interpreted data and analyzed results using various statistical techniques.
- Utilized Python libraries such as NumPy and Pandas for data manipulation tasks.

### Microsoft Future Ready Talent Program Internship

*FRT Intern*

**Mar 2024 – May 2024**

- Completed a comprehensive training program focused on building industry-relevant skills in cloud computing, app development, and emerging technologies.
- Participated in weekly virtual instructor-led sessions, coding labs, and collaborative team projects.
- Hands-on training in Microsoft Azure and the development of a cloud-native application as a capstone project.

## PROJECTS

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### NoteVerse | *Python, React, Docker*

**May 2024 – July 2024**

- Created a web-based cross-platform application that facilitates the synchronization of bookmarks, annotations, and notes related to ebooks and files across multiple devices.
- Enabled integration with popular cloud storage services such as Google Drive, Nextcloud, and OneDrive, allowing seamless access to user data.
- Implemented a script to circumvent Digital Rights Management (DRM) restrictions and remove copyright metadata from ebooks.

### BlogTonic | *MongoDB, Express, React, Node*

**Mar 2024 – May 2024**

- Managed project tasks and workflows using Jira, defining key epics such as User Authentication, Social Features, Content Management, and User Blocking.
- Developed a full-stack blogging platform using MERN stack with user authentication, file uploads, social features, user blocking, and post scheduling.
- Delivered a comprehensive blogging platform with real-world functionalities, enhancing user experience and content management.

## **Fraud Transaction Detection | Python**

**Jun 2024**

- Developed a machine learning model to detect fraudulent transactions using PCA-transformed credit card transaction data, addressing class imbalance with SMOTE.
- Performed extensive data preprocessing and utilized Python libraries such as pandas, NumPy, and scikit-learn for data manipulation, model building, and evaluation.
- Achieved a high F1-score, effectively balancing precision and recall to reduce false positives and false negatives, thereby enhancing model reliability.

## **Restaurant Recommendation System | Python**

**Feb 2024**

- Developed a content-based recommendation system for restaurants using TF-IDF vectorization and cosine similarity to analyze user reviews.
- Performed data cleaning and preprocessing, transforming raw data to enhance model accuracy and relevance.
- Utilized Python libraries such as pandas, NumPy, and Scikit-learn for data manipulation and model development, successfully recommending top-rated restaurants.

## **TECHNICAL SKILLS**

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**Programming Languages:** Python, C++ , HTML/CSS

**Frameworks:** Node.js , Matplotlib, Seaborn , Scikit-Learn, Pandas , Numpy

**Developer Tools:** VS Code, Azure Platform, Git , Power BI

**Databases:** MySQL, MongoDB

## **SOFT SKILLS**

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Analysis Skills, Teamwork and Collaboration, Communication skills

## **CERTIFICATIONS**

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- Microsoft Certified: Fabric Analytics Engineer Associate
- Microsoft Certified: Azure Data Fundamentals
- Microsoft Certified: Azure AI Fundamentals
- Microsoft Certified:Security,Compliance,Identity Fundamentals
- Software Engineering - NPTEL
- Networking Essentials - Cisco
- Cyber Security and Digital Forensics - Counducted by IIIT Kota

## **ACHIEVEMENTS**

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- Microsoft:Build a natural language processing solutions with Azure AI Language
- Microsoft:Build an Azure Vision Solution
- Microsoft: Create an intelligent document processing solution with Azure AI Document Intelligence
- Microsoft Learn: Cloud Skills Challenge at Ignite - 2023
- Microsoft Learn: AI Skills challenge April - 2024
- Microsoft Learn: Build Edition June - 2024