

HARSH CHAUHAN

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SUMMARY

- Proactive and detail-oriented Computer Engineering student with a strong passion for Artificial Intelligence and Machine Learning.
- Skilled in Python, data analysis, and model development, with a solid understanding of AI-driven problem-solving.
- Demonstrates strong analytical thinking, teamwork, and communication skills, with a commitment to continuous learning and innovation in technology.

SKILLS

Programming Languages : C, C++, Java, Python

Web Technologies : HTML, CSS, JavaScript, Tailwind CSS, React, Node

Database Management : MySQL, SQLite, Firebase, MongoDB


Technical Skills : Data Structures, Algorithms, DBMS, Computer Networks, Operating Systems, Web Development, AIML



Software & Tools : Git, VS Code, Jupyter Notebook, Streamlit, PowerBI

Python Libraries : NumPy, Pandas, Matplotlib, Scikit-learn

Soft Skills : Communication, Problem Solving, Team Collaboration, Logical Thinking

EDUCATION

**Bachelor of Engineering - Computer Engineering**
A D Patel Institute of Technology, CVM University

 2021 - 2026  Anand, Gujarat

CGPA
9.12 / 10


- Gained practical understanding of core Computer Engineering concepts including Data Structures, DBMS, Operating Systems, and Object-Oriented Programming, with hands-on implementation using Python, C++, and Java.
- Acquired foundational knowledge in Artificial Intelligence and Machine Learning algorithms, data preprocessing, and model evaluation using tools like NumPy, Pandas, Matplotlib, and Scikit-learn.
- Developed essential technical and professional skills such as problem-solving, teamwork, version control (Git/GitHub), and documentation using MS Office and Google Workspace.



EXPERIENCE

**MERN Stack Developer Intern**
Nexifyweb


 01/2026 - 04/2026  Ahmedabad, India (Remote)



- Developed a full-stack social media web application using the MERN stack (MongoDB, Express.js, React.js, Node.js) with features like user authentication, posts, likes, and comments.
- Designed RESTful APIs and implemented secure backend logic for user management, data storage, and real-time interactions using JWT authentication and MongoDB schemas.
- Gained hands-on experience in end-to-end web application development, frontend-backend integration, debugging, and collaborative development following real-world project workflows.

**Data Science & Analytics Intern**
Amdox Technologies

 12/2025 - 03/2026  Bengaluru, India (Remote)

- Performed data preprocessing, cleaning, exploratory data analysis (EDA), and visualization using Python (Pandas, NumPy, Matplotlib, Seaborn, Plotly) as part of industry-oriented analytics workflows.
- Built and evaluated machine learning models including Linear & Logistic Regression, Decision Trees, Random Forest, Clustering, PCA, and NLP techniques, applying proper performance metrics and model optimization methods.
- Gained hands-on experience in end-to-end analytics projects, including dashboard creation using Power BI, model deployment (Flask/Streamlit), SQL databases, and real-world data-driven decision making, culminating in a final industry-level project.

**Flutter App Developer Intern**
Elsner Technologies Pvt. Ltd.

 05/2025 - 06/2025  Ahmedabad, India (Remote)

- Developed a cross-platform mobile application using Flutter and Dart, implementing user authentication, responsive UI, and Firebase integration.
- Collaborated within an Agile development team, using Git/GitHub for version control and contributing to UI/UX enhancements and code optimization.
- Gained hands-on experience in mobile app architecture, state management, and real-world development workflows, strengthening problem-solving and teamwork skills.

PROJECTS

Social Media Application

📅 01/2026 - 02/2026

- Developed a full-stack social media web application using the MERN stack (MongoDB, Express.js, React.js, Node.js) with features such as user authentication, posts, likes, comments, and user profiles.
- Designed and implemented RESTful APIs with JWT-based authentication and MongoDB schemas to securely manage users, content, and interactions.
- Built a responsive React frontend and integrated it with the backend, gaining hands-on experience in end-to-end web application development, debugging, and real-world deployment workflows.

Time Series Analysis with Cryptocurrency

📅 12/2025 - 01/2026

- Analyzed cryptocurrency price trends using historical and real-time data, applying data preprocessing, exploratory data analysis (EDA), and visualization to identify patterns and volatility.
- Implemented time series forecasting models such as ARIMA, LSTM, and Facebook Prophet to predict future price movements and evaluate model performance.
- Developed an interactive dashboard/GUI using Streamlit or Plotly, PowerBI to visualize trends, forecasts, and insights, supporting data-driven decision making for traders and analysts.

AI News Summarizer with Sentiment Analysis

📅 09/2025 - 10/2025

- Developed an AI-powered desktop application using Python (Tkinter) that extracts and summarizes news articles directly from a given URL.
- Integrated Natural Language Processing (NLP) techniques and VADER Sentiment Analysis to evaluate the emotional tone (positive, negative, or neutral) of the content.
- Designed a modern, responsive user interface with real-time progress indicators, multi-threading for smooth performance, and clear visual sentiment feedback.

CleanSphere – Urban Cleanliness Tracker Mobile App

📅 03/2025 - 04/2025



- A React Native mobile app for reporting and resolving urban cleanliness issues with photo uploads, GPS tracking, and real-time notifications.
- Implemented user impact scoring, community engagement features, and a municipal dashboard for managing and resolving reports.
- Technologies used: React Native, Firebase (Auth, Firestore, Storage), React Navigation.

Timetable Management System

📅 10/2024 - 11/2024

- A web app for managing clash-free schedules and attendance with separate portals for admins, faculty, and students.
- Implemented features for admin-controlled scheduling, faculty-side attendance marking, and student-side attendance insights with day-wise filtering.
- Technologies used: Java, JSP, Servlets, MySQL, Apache Tomcat, MVC architecture.

KEY ACHIEVEMENTS

 Participated in Internal Smart India Hackathon (SIH-2024) Collaboratively built HandSpeak, a real-time sign language translator using MediaPipe, TensorFlow, and OpenCV. Integrated into a Next.js full-stack app with LMS, community forum, and real-time interpreter.	 Secured 1st Rank in Poster Presentation of Innovation Presented a well-researched and innovative project, explaining problem statements, methodology, and real-world impact, demonstrating strong analytical thinking, technical understanding, and effective communication skills.
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CERTIFICATIONS

Machine Learning with Python

IBM

Data Analysis with Python

IBM