

Hasti Vakani

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EDUCATION

Charotar University of Science and Technology
B.Tech. Computer Science and Engineering; GPA: 8.4/10.0

Anand, India
Sept. 2022 – May 2026

St. Xavier's High School Loyola Hall
High School; Percentile: 99.03

Ahmedabad, India
May 2022

CERTIFICATIONS

Java Programming (UPenn, 2024)
Fundamentals of Linux (Red Hat, 2024)
Graphic Designing (Technook, 2023)
UI/UX Design (Google, 2024)
Introduction to Python Programming (Duke University, 2024)

TECHNICAL SKILLS

Languages: C/C++, Python, Java, JavaScript/TypeScript, HTML/CSS, LaTeX, SQL, XML, Dart
Tools: Git/GitHub, Android Studio, Canva, VS Code, IntelliJ PyCharm/IDEA, Figma
Other Skills: Object-Oriented Programming, Computer Networks, Data Structures and Algorithms

PROJECTS

WhiskWizard | *Android Studio, Java, APIs, Git, VS Code*

- Developed an application for searching recipes based on available ingredients and managing shopping lists. Integrated backend databases and APIs.

BookBud | *MERN Stack, Git, VS Code*

- Created a dynamic platform for book enthusiasts with search, cart, and checkout features.

EXPERIENCE

Amit Fiber Decor
Part-Time Intern

Ahmedabad, India
May 2022 – Present

- Delivered presentations for projects, including Forest Department and INDEXTb panel initiatives.
- Showcased stall designs at Vibrant 2024.

Codsoft
UI/UX Intern

Remote
Dec. 2023 – Jan. 2024

- Designed user interfaces and conducted user testing for food delivery applications.
- Achieved a 35% increase in engagement through interface optimization.

Hidden Brains
Application Development Intern

Ahmedabad, India
May 2024 – June 2024

- Enhanced the "Clean Rides" app with user authentication, booking, and profile management.
- Improved development proficiency in Dart, Flutter, and Firebase.

RESEARCH PAPERS

Anomaly Detection in Industrial Machines Using Echo State Networks: Developed a model for real-time industrial anomaly detection, improving accuracy with lower computational cost.

Automated Detection of Potholes and Speed Bumps Using Deep Learning: Achieved 91.91% accuracy in road anomaly detection with EfficientNetB0, enhancing safety in diverse conditions.

Obesity Level Prediction Using Machine Learning: Created a stacking model with 96.69% accuracy, identifying key predictors like BMI for health insights.

Predictive Analysis of Apple Stock Market Trends: A Data-Driven Approach: Achieved 96.50% accuracy with LSTM, supporting financial forecasting.

Lime Disease Classification Using Machine Learning and Spectrometry: Leveraged LSTM, RNN, and BiLSTM combined with classifiers to reach over 99% precision, improving disease diagnostics in agriculture.

ACHIEVEMENTS EXTRACURRICULARS

- State-Level Champion in Gymnastics; represented Gujarat in National School Games (2018-2019).
- Founder Joint President of CHARUSAT Economic Club; facilitated economic discussions and events.
- Core Team Member of AWS Cloud Student Club; organized workshops on cloud technologies.
- Board Member of Retract Club; enhanced public image through community initiatives.

HOBBIES

- Sports: Gymnastics, Swimming, Badminton.
- Traveling: Interested in architectural design and historical sites.