

Mithil Mistry

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EDUCATION

Charotar University of Science and Technology
B.Tech. Computer Science and Engineering; CGPA: 7.6/10.0

Anand, India
Sept. 2022 – May 2026

EXPERIENCE

Hidden Brains
Application Development Intern
– Implemented features in "Clean Rides" app, optimizing user interactions by 20%.
– Enhanced development skills in Dart, Flutter, and Firebase.

May 2024 – June 2024
Ahmedabad, India

Charusat Space Research Center
Intern
– Contributed to research projects and supported technical operations.

May 2024 – June 2024
Anand, India

RESEARCH PAPERS

Conference 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.

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

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.

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.

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

Journal Papers

Plant Diseases Classification with Spectral Signature Taxonomy and Analysis Software

PROJECTS

DonateNow - Blood Donation App | *MongoDB, React.js, Node.js* June 2024 – Present
– Built a full-stack blood donation app with JWT authentication and SMS integration for donor engagement.

Twitter Clone | *Flutter, Dart, Firebase* June 2024 – Present
– Implemented real-time database features, user authentication, and tweet posting functionality.

Teen Patti Game | *C#, Unity, RNG Algorithm* Dec. 2023 – Present
– Developed a 2-player multiplayer game in Unity, currently expanding to online multiplayer.

Cube Runner | *C#, Unity Engine, VS Code* Nov. 2023
– Created a 3D immersive game for a group project, increasing team collaboration and game development skills.

TECHNICAL SKILLS

Languages: C/C++, C#, HTML/CSS, Java, JavaScript/TypeScript, Python, SQL

Frameworks & Libraries: React.js, Node.js, Express.js, Flutter, Unity Engine

Developer Tools: VS Code, Android Studio, Firebase, MongoDB

Other Skills: Data Structures and Algorithms, OOP, IoT, Game Development, LaTeX

EXTRA CURRICULARS

- **Arthyantra (CHARUSAT Economic Club):** Founder and Joint President – Led CHARUSAT's Economics Club, organizing financial literacy events.
- **The Rotaract Club of CHARUSAT:** Treasurer – Managed budgeting and coordinated community service initiatives.
- **Sports:** Reached quarter-finals in a state-level Lawn Tennis tournament and volunteered in organizing junior level competitions.
- **Musician:** Achieved distinction in nine Classical Music exams and is proficient in playing multiple instruments.