

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

May 2024 – June 2024
Ahmedabad, India

- Implemented features in "Clean Rides" app, optimizing user interactions by 20%.
- Enhanced development skills 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.

PROJECTS

DonateNow - Blood Donation App | *MongoDB, React.js, Node.js*

June 2024 – Present

- Built a full-stack blood donation app, 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 for a Twitter clone.

Teen Patti Game | *C#, Unity, RNG Algorithm*

Dec. 2023 – Present

- Developed a 2-player multiplayer game in Unity, currently expanding to online multiplayer.

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: Git, GitHub, VS Code, Android Studio, Firebase, MongoDB

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

EXTRA CURRICULARS

- **CHARUSAT Economic Club "Arthyantra":** Joint President & Treasurer – Organized events to engage students in economic discussions.
- **The Rotaract Club of CHARUSAT:** Treasurer – Managed budgeting and planning for community service projects.
- **Sports:** Reached quarter-finals in a state-level Lawn Tennis tournament.
- **Music:** Achieved distinction in nine Classical Music exams at "GANDHARVA MAHAVIDHYALA TRUST".

CERTIFICATIONS

- Automating Real-World Tasks with Python (Google)
- Introduction to Generative AI (Google)
- Fundamentals of Red Hat Enterprise Linux 9 (Red Hat)
- Internet of Things (Teachnook)
- Robotics and IoT (Robotics India)