



# DHRUV TIKHANDE

## ASPIRING ENGINEER

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 [LinkedIn](#) [GitHub](#) [Portfolio](#)

## About Me

B.Tech IT student with experience in ML, Web Development, and AR/VR (Unity). Skilled in Python, React, Node, SQL, and trained ML models. Built production-level AR game during internship at FireBird VR.

## Education

### B.Tech in Information Technology

Vidyalankar Institute of Technology,  
Wadala, Mumbai  
3rd Year (Expected Graduation: 2027)

### HSC (Science)

R. K. Talreja Junior College, Ulhasnagar  
2023 — **70.33%**

### SSC

I. E. S. Katrap Vidyalaya, Badlapur  
2021 — **89.80%**

## Tech Skills

- Languages:** C, Java, Python, C#
- Web:** HTML, CSS, JavaScript, React, Node.js
- ML & Data:** NumPy, Pandas, Scikit-learn, Jupyter
- Databases:** MySQL, PostgreSQL, MongoDB Atlas
- Tools:** Git, GitHub, VS Code, Unity
- Soft Skills:** Problem-solving, teamwork, communication (Hindi/Marathi/English), adaptability, time management

## Interests

AI/ML, AR/VR, fitness, gaming, bike riding

## Experience

### XR Simulation Developer Intern

Dec 24 - May 25

#### FireBird VR

- Built the AR-based football game “Kick Off” using Unity and C#.
- Created hand-gesture-based interactions, player mechanics, scoring logic, and in-game physics.
- Enhanced performance and gameplay flow with continuous debugging and optimization.
- Worked closely with mentors to refine features and deliver a smooth AR experience.
- Strengthened practical skills in AR/VR development, Unity scripting, UI interaction, and prototype testing.

## Projects

- Unity AR Game – Kick Off
  - Tech: Unity, C#
  - Developed a gesture-based AR football game with scoring and physics.
  - Implemented game mechanics and interactions.
- Store Analysis System
  - Tech: React, Node.js, Python, JS
  - Built dashboards for revenue prediction, product analysis, loss detection.
  - Integrated ML outputs with React UI.
- Time Table Buddy
  - Tech: React, Node.js, MongoDB Atlas
  - Platform for faculty to schedule lectures and students to enroll.
  - Designed UI and implemented database structure.
- Diamond Price Prediction
  - Tech: Python, Jupyter
  - Created ML model to predict diamond prices using regression techniques.
  - Handled preprocessing, feature analysis, and model training.

## Certifications

- Machine Learning with Python** – L&T skill trainers academy (2025)
- Unity Junior Programmer** – Unity Technologies (2025)
- Java Data Structures & Algorithms** – Scaler Topics (2024)
- SQL & Python (Intermediate)** – Sololearn (2025)
- Data Mining & Jupyter** – Simplilearn / 365 Data Science (2025)