

Vedant Mishra

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PROFILE

I'm passionate about using Artificial Intelligence, Machine Learning, and advanced algorithms to drive innovation and solve real-world problems. With a strong background in Python, data-driven methodologies, and problem-solving, I love turning complex mathematical concepts into practical, scalable solutions. Beyond the technical side, I enjoy leading teams, fostering innovation, and creating strategies that push technology forward. I'm looking for opportunities where I can combine technical expertise with leadership to build intelligent systems, guide teams, and make a meaningful impact.

TECHNICAL SKILLS

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

AI/ML Libraries: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch

Concepts: Machine Learning, Deep Learning, Data Structures & Algorithms, Probability & Statistics, Calculus, Optimization

Tools: Git, VS Code, Jupyter Notebook, Visual Studio, Blender, Photoshop, Adobe Suite, Sony Vegas

Languages: English (Fluent), Hindi (Native), Marathi (Basic Understanding)

Soft Skills: Communication, Leadership, Strategic Thinking, Cross-functional Collaboration

PROJECTS

SmartMerge — Python, AI, GitHub Integration

2024

- Developed an intelligent branch merging assistant for GitHub using advanced AI techniques.
- Created a user-friendly interface to analyze and manage code changes between branches.
- Leveraged machine learning algorithms to provide smart merge recommendations.

Project E — Unity, C#, Team Project

Feb. 2022

- Developed a 2D platformer as a college project and the first team-based project.
- Created all game assets from scratch, including custom pixel art using Aseprite, and original background music.
- Improved programming skills in C# and developed teamwork and project management abilities.

CopyCar — Unity, C#, Side Project

Oct 2023

- Developed a 3D racing game exploring reinforcement learning using Unity's ML-Agents library.
- Experimented with machine learning concepts, combining game mechanics with AI techniques.

CERTIFICATIONS

- **Tata Group - Data Visualisation: Empowering Business with Effective Insights Job Simulation**
- **Responsive Web Design**
- **Tata Group - Cybersecurity Analyst Job Simulation**
- **Intro to AR/VR/MR/XR: Technologies, Applications & Issues**

EDUCATION

Vellore Institute of Technology, Bhopal, Madhya Pradesh

Sept. 2022 – May 2026

B.Tech in Computer Science, Specialization in Gaming Technology

CGPA: 8.47 (Till 5th Semester)

Core Member, Gaming Club: Organized events and promoted a game development culture on campus.

St. Montfort School, Bhopal, Madhya Pradesh

March 2016 – March 2021

- 10th Grade: 83.4%
- 12th Grade (PCMCs): 81.2%

EXTRACURRICULAR

Gaming Club — Core Member, Anchor

Sept. 2022 – Present

- Organized multiple educational gaming events, including:
 - "XP Exchange" Workshop for Freshers
 - Unity Game Development Workshop
- Facilitated game jams and built a network of 50+ game development enthusiasts, fostering a collaborative community within the university.