

Sarthak Uttam Patil

Email: patilsarthak3504@gmail.com

Mobile: +91-9975983504

LinkedIn: linkedin.com/in/sarthak-patil-b51347308

GitHub: github.com/SarthakPatil77



Career Objective

Computer Engineering student experienced in Unity XR development, machine learning, web technologies, and Python. Passionate about building immersive educational tools, AI-powered solutions, and interactive web apps. Strong in logic building, project ownership, and data-driven decision-making.

Technical Skills

Languages: Python, C++, JavaScript, C#, HTML, CSS

Frameworks: Bootstrap, React.js, Node.js, Express.js

Databases: SQL, MySQL, MongoDB

Tools/Deployment: Kivy, Buildozer, Git, GitHub, Google Colab, WSL, Jupyter

Other: Unity, XR Toolkit, Blender (basic)

Platforms: Android (via APK), Ubuntu (WSL), Windows

Education

Education Level	Institution	Year & Score
B.E. (Computer Engineering)	M.E.S Wadia College of Engineering, Pune	2022–2026 TE (CGPA): 9.06
HSC (12 th)	The New College, Kolhapur	2022 82.83%
SSC (10 th)	Chaitanya Public School, Abdul Lat	2020 87.20%

Internship Experience

Unity Developer Intern – FireBirdVR (Current)

Jul 2025 – Present

- Worked on asset development, XR environments, and educational game design in Unity.

DSA Intern – Intern Certify (Virtual)

Sep 2024 – Dec 2024

- Solved real-world DSA problems and applied logic building through Python and C++.

Projects

NanoX: Threshold Field Protocol | *Unity, XR Toolkit, C#*

- VR simulation teaching superconductivity using field sliders, materials, and animated robot.

Image Classifier Android App | *Kivy, TensorFlow Lite, Python*

- TFLite image classifier using Kivy for real-time Android prediction.

Housing Price Prediction | *Python, Scikit-learn, Random Forest*

- Achieved **92% test accuracy** on real estate price predictions with feature engineering.

Gate LPR System (DIAT) | *Python, Tesseract, OpenCV, Kivy*

- Automated DIAT gate logging using license plate recognition and Android deployment.

Interactive 3D Portfolio | *Three.js, WebGL, JavaScript*

- Created a 3D personal portfolio using Three.js to showcase work in an interactive way.

Certifications

Machine Learning – IBM

- Covered supervised/unsupervised learning, model evaluation, and deployment.

Unity Essentials – Unity Learn

- Completed fundamentals of Unity engine and 3D project workflows.

Junior Programmer – Unity Learn

- Learned programming, physics, and interaction in Unity.

MongoDB Basics – MongoDB

- Learned CRUD operations, queries, NoSQL modeling, and indexing.