Pragati Akhare

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Skills

- **Languages** : Python, C++, MySQL, HTML, Node.js, TailwindCSS, CSS
- **Data Analysis and Visualization** : NumPy, Pandas, Matplotlib
- **Machine Learning** : Supervised and Unsupervised Learning
- **Others** : Tkinter, Web Scraping, Data Preprocessing, Django(Basics)

Education

Ajeenkya DY Patil School of Engineering   *2022 – 2026*
B.E. in Artificial Intelligence and Data Science

- CGPA: 8.01/10.0

Projects

Volume Control using OpenCV

- Developed a computer volume control system using hand gestures with OpenCV.
- Implemented real-time hand detection and gesture recognition.
- Tools : Python, OpenCV

Disease Prediction System

- Created a GUI-based system to predict diseases from user-input symptoms.
- Suggested disease descriptions and necessary precautions.
- Used classification models with severity-weighted features.
- Tools: Pandas, scikit-learn, Tkinter

Publications

Real-Time Volume Control using OpenCV

Published in Journal of Transactions in Systems Engineering (JTSE), Vol.2,Issue 2

[10.1109/TASC.2023.3340648](#) ↗

Achievements

- Selected for C++ Bootcamp at Indian Institute of Bombay (2025)
- Secured 3rd Rank for presenting the paper on "Volume Control" at an International Conference (2024)
- Participated in National Level Project Competition at Wadia College of Engineering (2025)

Course Work

- Career Essentials in Generative AI – Microsoft LinkedIn
- Generative AI Fundamentals – Google Cloud