

# Pratik Chougule

[!\[\]\(c8d96c8885d3000a912c2582004aed63\_img.jpg\)
 GitHub](#) 
[!\[\]\(3ad821e3ca7dd4cb7003e9c8d982e254\_img.jpg\)
 LinkedIn](#) 
[!\[\]\(177bde115c7ebbeffa559d05eea9e94b\_img.jpg\)
 Kaggle](#) 
[!\[\]\(cab2e95699b614c49dd80341e1932607\_img.jpg\)
 Portfolio](#)

✉ [pratikchougule4@gmail.com](mailto:pratikchougule4@gmail.com)

☎ +91 9175362377

📍 Sangli, India

## Summary

AI/ML enthusiast with hands-on experience in building intelligent systems and deploying scalable solutions. Passionate about developing AI-driven applications to optimize real-world workflows. Proficient in Deep Learning, Machine Learning, and Web Development, with strong problem-solving skills and expertise in data-driven research.

## Skills

**Programming:** Python, Java, JavaScript, C  
**Machine Learning Frameworks:** TensorFlow, Keras, Scikit-learn  
**Web Development:** React.js, Node.js, Flask, Django  
**Databases:** SQL, MongoDB, Firebase  
**Cloud & Deployment:** Heroku, AWS, Azure, Docker  
**Tools:** Git, Kaggle, Figma  
**Algorithms and Data Structures:** Strong problem-solving skills

## Projects

### VirtuHire: AI-Powered AR Interview System

[\[Demo\]](#)

*Unity, Gemini, TensorFlow*

- Developed an AR-based interview simulation with AI-driven question generation tailored to job roles.
- Integrated ML models for candidate evaluation, analyzing fluency, eye contact, and impact for better feedback.
- Improved candidate confidence and interview performance by 40%, based on feedback from test users.
- Awarded Best Academic Project (Semester V).

### Diabetes Prediction App

[\[Demo\]](#)

*Python, Scikit-learn, Flask, MongoDB, Heroku*

- Developed an ML-powered web app with 90% accuracy for diabetes prediction.
- Implemented a Random Forest Classifier trained on PIMA Indians dataset.
- Integrated a user feedback mechanism using MongoDB, increasing accuracy by 10%.
- Deployed on Heroku for cloud accessibility.

### Real-Time Music Note Detection

*Python, TensorFlow, Librosa, STFT*

- Achieved 95.67% accuracy across multiple music instruments on nsynth dataset.
- Optimized STFT processing, reducing latency from 250ms to 120ms.
- Developed a CNN-based approach for pattern recognition.

## Education

<b>B.Tech in CSE (AI/ML)</b> — D.Y. Patil College, Kolhapur, India — Current CGPA: 8.6/10	2022 – 2026
<b>HSC</b> — Secondary School and Jr. College, Bhilwadi, India — Score: 69.33%	2021 – 2022
<b>SSC</b> — Hutatma Bhagatsingh Highschool, Ankalkhop, India — Score: 90.20%	2019 – 2020

## Certifications

<b>Deep Learning – IIT Ropar (SWAYAM-NPTEL)</b>	Oct 2024
Ranked in the Top 2% among 23,572 participants.	
<b>Database Management System – IIT Kharagpur (SWAYAM-NPTEL)</b>	Sep 2024
Studied RDBMS, SQL, Query Optimization.	
<b>Pandas – Kaggle Learning</b>	Nov 2024
<b>Fundamentals of R – Infosys Springboard</b>	Sep 2023

## Extracurricular Activities

### Oculus Coordinator, AR/VR Club (2023 – Present)

Conducted Unity and AR/VR workshops for 50+ students.

### 1st Place – Poster Presentation (2024)

Presented research on Activation Functions in Neural Networks.