

Prachi Pravin Shende

📞 +91 9209300410 📍 Pune, Maharashtra ✉ prachishende182@gmail.com  [LinkedIn](#)  [GitHub](#)

SKILLS

- **Languages:** Python, C++, C, HTML/CSS, SQL
- **Frameworks & Libraries:** OpenCV, MediaPipe, Pandas, Scikit Learn, PyTorch, Tensorflow, Hugging Face
- **Tools & Technologies:** GitHub, Git, ChatGPT, Docker, Google Colab, Linux, VS Code, Microsoft PowerBI,
- **Soft Skills:** Communication, Decision-Making, Multi-tasking, Team Collaboration
- **Neural Networks, Large Language Models (LLMs), Natural Language Processing, Transformers, Data Structures and Algorithms, Operating System, Probability & Statistics, Particle Swarm Optimization, Grey Wolf Optimization, Ant Colony Optimization**

EXPERIENCE

Machine Learning Engineering Intern (PropGrowthX)| Tensorflow, Scikit-Learn, Docker Oct 2025

- Developed and optimized regression and time-series forecasting models using advanced feature engineering and hyperparameter tuning.
- Containerized and deployed model inference services with FastAPI and Docker for scalable microservice-based architecture.
- Built automated ETL and evaluation pipelines to streamline data processing and improve inference throughput.

PROJECTS

1.AI Shredder & Redaction Tool| Python, BERT, PyTorch, Tesseract OCR Sept 2025

- Built AI Shredder & Redaction Tool using Python, BERT (Hugging Face), PyTorch, Tesseract, and OpenCV.
- Detected and redacted sensitive data in documents/images with OCR and NLP entity recognition.
- Delivered a secure, efficient solution for privacy compliance and confidential document management.

2. Sahaay - Your Voice for A Better City| Python, YOLOv8, OpenCV, FastAPI Nov 2025

- Built an AI-driven computer vision system to **crowdsourced civic issue reporting and system** from user-uploaded video using YOLOv8 object detection.
- Applied **OpenCV-based preprocessing and bounding box analysis** to improve detection reliability and reduce false positives.
- Developed a **model-backed REST API pipeline** for automated inference, data storage, and downstream analytics to support decision-making.

EDUCATION

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| ▪ Vishwakarma Institute of Information Technology
<i>Bachelor of Technology (Artificial Intelligence)</i> | June, 2027 - Current
CGPA: 8.26 |
| ▪ S F L Jr. College, Dhamangaon Rly
<i>Higher Secondary Certificate (HSC)</i> | Sep 2020 – Mar 2022
Percentage: 87.50% (Rank 3) |
| ▪ H.G.K.V., Dhamangaon Rly
<i>Secondary School Certificate (SSC).</i> | Jun 2019 - Jun 2020
Percentage: 93.20% (Rank 2) |

CERTIFICATIONS

- Certified in CCNAv7: Introduction to Networks by Cisco
- CDAC's Basic AI Certification Course
- Certified in Artificial Intelligence and Machine Learning – Unstop
- Certified in PowerBI - Udemy

LEADERSHIP / EXTRA-CURRICULAR

- **Technical Team Member:** Perception'24, VIIT
- **Ass. Finance Lead Manager:** Entrepreneurship Development Cell, VIIT