Prachi Pravin Shende

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SKILLS

- **Languages:** Python, Cpp, C, HTML/CSS, JavaScript, SQL
- **Frameworks & Libraries:** Node.js, Express.js, React.js, MediaPipe
- **Tools & Technologies:** GitHub, Git, Linux, VS Code
- **Soft Skills**: Communication, Decision-Making, Multi-tasking, Team Collaboration
- **Machine Learning, Pandas, Scikit Learn, Data Structures and Algorithms, Operating System, Computer Networks, Probability & Statistics, Liner Algebra, Soft Computing, Particle Swarm Optimization**

EXPERIENCE

Machine Learning Engineer

- 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**.

PROJECTS

1. **AI Shredder & Redaction Tool| Python, BERT, PyTorch, Tesseract OCR, OpenCV**   **Sept 2025**
   - Created an intuitive platform empowering NGOs access reliable data on stray animal incidents and enabling users to report them efficiently.
   - Crafted dynamic and responsive interfaces using EJS templates, developed RESTful APIs for data handling, and ensured full responsiveness for accessibility across all devices.
   - Implemented intelligent search and advanced filtering capabilities for efficient data access.

2. **Upper Body Exercise Tracking System | Python & MediaPipe**   **Feb 2025**
   - Built a real-time computer vision solution for posture tracking to track upper body workouts like bicep curls, lateral raises, and shoulder presses.
   - Calculated joint angles to detect improper form and provided instant feedback for posture correction.
   - Enhanced workout accuracy by applying computer vision and lightweight neural tracking models.

EDUCATION

- **Vishwakarma Institute of Information Technology**   **June, 2027 - Current**
  Bachelors of Technology (Artificial Intelligence)   *CGPA: 8.26*
- **S F L Jr. College, Dhamgaon Rly**   **Sep 2020 – Mar 2022**
  Higher Secondary Certificate (HSC)   *Percentage: 87.50%(Rank 3)*
- **Samarth Vidyalaya**   **Jun 2019 - Jun 2020**
  Secondary School Certificate (SSC).   *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
- Managed team communications, conflict resolution, and performance reviews to improve collaboration.