# VEDANG DESHMUKH

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## Education

**Saraswati College of Engineering**                                    **Kharghar, Navi Mumbai**
*Bachelor of Engineering in Computer Science (AI & ML) — CGPA: 9.59/10.0*                    *March 2023*

**Dr. Babasaheb Ambedkar College**                                    **Mahad, Raigad**
*Higher Secondary Certificate - Science with Computer Science — 71.0%*                    *March 2022*

**Gurukul Academy**                                    **Mahad, Raigad**
*Secondary School Certificate — 89.0%*                    *March 2020*

## Technical Skills

**Languages & Tools:** Python, C, Git, Arduino.
**Machine Learning & AI:** scikit-learn, TensorFlow, PyTorch.
**Computer Vision & NLP:** OpenCV, YOLOv8, Tesseract, Transformers.
**Web Development:** Django, HTML, CSS, JavaScript, Streamlit.
**Databases:** MySQL, SQLite.
**Deployment & Platforms:** REST APIs, Streamlit, Buildozer.
**Collaboration:** Coordinated with cross-functional teams to deliver AI-driven solutions within project timelines.

## Projects

**AI Mock Interview System** — *Python, NLP, OpenAI API, Django*
- Developed an AI-powered mock interview platform enabling 50+ simulated interviews, improving candidate answer relevance by 35%.
- Integrated OpenAI API for dynamic role-specific questions, boosting question quality by 40%.
- Implemented NLP-based feedback analysis, helping 80% of users improve their scores in follow-up sessions.

**Placement Prediction System** — *Python, Machine Learning, Pandas, Scikit-learn, Django*
- Built a machine learning model achieving 89% accuracy on 10,000+ student records to forecast placement outcomes.
- Optimized dataset preprocessing with Pandas, reducing model training time by 25%.
- Evaluated Logistic Regression, Decision Trees, and other algorithms to determine the most effective model.
- Deployed an interactive prediction tool used by 100+ students to assess placement chances.

**Veronica AI – AI Voice Assistant** — *Python, Speech Recognition, Text-to-Speech, OpenAI API*
- Engineered a voice-based AI assistant with 92% command recognition accuracy and sub-1 second response time.
- Integrated speech recognition and TTS for smooth real-time interaction, increasing accessibility for non-technical users.
- Linked to OpenAI API to resolve 85% of user queries without manual intervention.

## Certifications

NPTEL Python for Data Science.
Kaggle Introduction to Machine Learning.
Prompt Design in Vertex AI Skill Badge.
Build Real World AI Applications with Gemini and Imagen Skill Badge.

## Extracurricular Activities & Hobbies

**Extracurricular Activities:**

- **Head of Inventory – Student Council (2023–24)** Managed resources and logistics for 10+ major events, reducing wastage by 20%.

- **Joint Head of Operations – Student Council (2024–25)** Coordinated event operations for 500+ participants and supervised 15+ team members.

**Hobbies:**

- Exploring AI & Tech Innovations
- Photography & Image Editing
- Gaming (Strategy/Puzzle-based)
- Fitness & Outdoor Activities