

## SKILLS

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### Skills and Tools

- **Languages:** - Python, SQL
- **Data Analysis Processing** - NumPy, Pandas, Exploratory Data Analysis, Matplotlib, Seaborn, Plotly, Tableau, MYSQL, MongoDB, Statistics
- **Machine Learning and Deep Learning :** - TensorFlow, Keras, CNN, RNN, LSTM, OCR
- **Computer Vision :** - YOLO, OpenCV, Object Detection, Object Segmentation
- **NLP :** - NLTK, spacy, Hugging Face Transformers

### Soft Skills:

- **Language Skills** - Adaptability, Teamwork, Learning Agility, Communication, Problem Solving

## EXPERIENCE

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### ProvaanTech

Pune

AIML Engineer

2024/ 2 - Current

- **Speech-to-Speech Voice Assistant**

Tech stack: Python, Faster-Whisper, LLaMA, Coqui TTS, Voice Cloning (XTTS-v2)

- Developed a real-time Speech-to-Speech AI assistant integrating STT, LLM, and TTS modules for natural, interactive voice conversations. Enhanced project capabilities with modular architecture to support custom voice avatars, multilingual support, and dynamic prompt handling.
- **AI powered estimation system for construction blueprints**  
Tech Stack: Python, YOLOv8, OpenCV, PaddleOCR
- Developed a smart floor plan analysis tool tailored for architects and builders to automate room, door, and annotation detection from construction blueprints. Used YOLOv8 for high-precision door and room object detection and PaddleOCR for reading blueprint labels, achieving 90% detection accuracy and 95% OCR precision.

### BharatTech

Remote

Machine Learning Intern

2023/ 6 - 2023/9

- Acquired in-depth knowledge of Hugging Face, an AI community, and explored various Large Language Models (LLMs) including LLAMA and GPT. Conducted extensive research to identify and curate suitable datasets for machine learning models.

## EDUCATION

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### Pimpri Chinchwad college of Engineering

(Electronics and Telecommunication)

2021-2024

CGPA - 7.8 / 10

## PERSONAL PROJECTS

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- **Netflix data analysis** Performed analysis on Netflix dataset using Python and its libraries Numpy, Pandas, Matplotlib. The dataset contains movies and TV shows on Netflix till 2021. The overall analysis is done with a dashboard made using Tableau
- **Placement analysis using Machine Learning** Overall analysis of placement of students in the uploaded dataset. Random forest classifier , support vector machine, K nearest neighbor are algorithms used for prediction.
- **Food Delivery and Profitability Analysis** Analyze and predict the cost and profitability of a food delivery company by examining various factors affecting the overall expense and revenue by using python and its libraries