

Anushka Patil

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Education

Pune Vidyarthi Griha's College of Engineering and Technology

Bachelor of Engineering, Computer Engineering, GPA: **9.09/10**

Pune, MH, India

Aug. 2021 – May 2025

Sir Parashurambhau College

Higher Secondary School Certificate with Vocational Electronics (Ranker), Score: **90.67%**

Pune, MH, India

Aug. 2019 – July 2021

Sinhagad Spring Dale Public School - Vadgaon

Central Board of Secondary Education, Score: **89.2%**

Pune, MH, India

June 2018 – May 2019

Experience

Deep Learning Engineer – Intern

Feb. 2024 – Nov. 2024

ResoluteAI Software

Remote

- Engineered and executed cutting-edge text extraction algorithms, ensuring 99% accuracy in parsing text and tables from PDFs, streamlining data organization, and enhancing efficiency in generating JSON files.
- Optimized hyperparameters and fine-tuned model architectures to enhance detection performance, achieving high precision, with a precision rate of 85%
- Engineered and implemented different data augmentation techniques on images to increase the training set, expanding the model's accuracy by 25%

Position Of Responsibility

Lead (President)

July 2023 – June 2024

Google Developer Student Clubs, PVGCOET

Pune, MH, India

- Interviewed 60+ candidates, selected a core team of 5 and a committee of 20
- Addressed 250+ students in the induction program, resulting in a 54% increase in community membership
- Directed Ideathon3.0 (flagship event), with a 160% increase in participation compared to previous editions

Public Relations Officer

July 2022 – June 2023

Google Developer Student Clubs, PVGCOET

Pune, MH, India

- Successfully managed PR strategies and media communications, enhancing organizational image, increasing stakeholder engagement by 40%, and boosting media coverage by 25%
- Coordinated with the principal and HOD to secure permissions for the offline conduction of events

Projects

VibeSync - Analyzing Emotions through Speech Recognition

Oct. 2024 – Jan. 2025

Initiated to gain practical experience in audio file processing with Machine Learning

Pune, MH, India

- Built a system to detect and classify emotions from speech with a target accuracy of over 65%
- Utilized the RAVDESS dataset, consisting of 8 distinct emotions and 2,880 audio samples. Analyzed the working of sound and processed the data
- Implemented audio feature extraction using Librosa to analyze features such as 13 MFCCs
- Trained a MLP model, aiming for a minimum F1 score of 0.75 and assessed the model performance.

DeepInspect - Assembly line product defect detection

July 2024 – Present

Collaborated with a team of 4 members - B.E Project

Pune, MH, India

- Developing a deep-Learning based system for inspection, detection and localization of surface level defects in an Assembly line environment, aims to reduce manual inspection time by 40%
- Aiming to design a user-friendly dashboard that integrates real-time defect detection alerts along with the visual analytics, providing detailed insights

Getvyt - Interactive event management platform

Nov. 2022 – Feb. 2023

Effectively coordinated with a diverse team to deliver a comprehensive solution

Remote

- Developed an interactive platform that combines event management with social networking features
- Collaborated with 20+ students & professionals from 5+ different countries to work on the project

Skills & Interests

Technical: Java, Python, C++, SQL, HTML/CSS, JavaScript, Data Structures and Algorithms

Libraries & Frameworks: ReactJS, Langchain, Tensorflow, Scikit-learn

Platforms/ Tools: Git, GitHub, VS Code, Linux

Interests: Machine Learning, Generative AI, LLM, French, Reading