Anushka Patil

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EDUCATION

Pune Vidyarthi Griha's College of Engineering and Technology
Pune, MH,India

*Bachelor of Engineering, Computer Engineering, GPA: **9.29**/10* — Aug. 2021 – May 2025

- Completed the ML Specialization Stanford Online certification by Coursera, NVIDIA Fundamentals of Deep Learning Certification, ML in Python by freecodecamp

Sir Parashurambhau College
Pune, MH, India

*Higher Secondary School Certificate with Vocational Electronics (Ranker), Score: **90.67%*** — Aug. 2019 – July 2021

EXPERIENCE

Deep Learning Engineer – Intern
Feb. 2024 – Nov. 2024

ResoluteAI Software — *Remote*

- Led multiple computer vision and text extraction projects for well known clients, utilizing emerging ML technologies to enhance capabilities & improve accuracy by 30%
- 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%

PROJECTS

VibeSync | *Python, Librosa, Scikit-Learn, soundfile*
Oct. 2023 – Dec. 2023

- 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 | *Tensorflow, MySQL, PowerBI, Amazon EC2, AWS S3 bucket*
July 2024 – Present

- 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%
- Completed the initial design phase, architecture, SRS and conducted a literature review covering 10+ research papers, identifying key advancements and challenges in defect detection

Getvyt | *HTML, CSS, JS*
Nov. 2022 – Feb. 2023

- 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

POSITION OF RESPONSIBILITY

Lead (President)
July 2023 – June 2024

Google Developer Student Clubs, PVGCOET — *Pune, MH, India*

- Interviewed 80 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
- Spearheaded various campaigns and initiatives that motivated students to explore 10+ different technologies

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

SKILLS & INTERESTS

Technical: Java, Python, C++, SQL, NoSQL, HTML/CSS, JavaScript, Data Structures and Algorithms
Libraries & Frameworks: ReactJS, Langchain, Tensorflow, Scikit-learn
Platforms/ Tools: Git, GitHub, VS Code, Linux
Interests: Research, Machine Learning, Generative AI, LLM, French