

Anushka Patil

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EDUCATION

Pune Vidyarthi Griha's College of Engineering and Technology	Pune, MH, India
<i>Bachelor of Engineering, Computer Engineering, GPA: 9.29/10</i>	Aug. 2021 – May 2025
<ul style="list-style-type: none">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
<i>Higher Secondary School Certificate with Vocational Electronics (Ranker), Score: 90.67%</i>	Aug. 2019 – July 2021

EXPERIENCE

Deep Learning Engineer – Intern	Feb. 2024 – Nov. 2024
<i>ResoluteAI Software</i>	Remote
<ul style="list-style-type: none">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%Implemented RAG model using Langchain, utilizing the Google GenAI Embeddings and ChatGroq Model	
Lead (President)	July 2023 – June 2024
<i>Google Developer Student Clubs, PVGCOET</i>	Pune, MH, India
<ul style="list-style-type: none">Interviewed 80 candidates, selected a core team of 5 and a committee of 20Addressed 250+ students in the induction program, resulting in a 54% increase in community membershipDirected Ideathon3.0 (flagship event), with a 160% increase in participation compared to previous editionsSpearheaded various campaigns and initiatives that motivated students to explore 10+ different technologies	
Public Relations Officer	July 2022 – June 2023
<i>Google Developer Student Clubs, PVGCOET</i>	Pune, MH, India
<ul style="list-style-type: none">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

DeepInspect <i>Pytorch, MySQL, PowerBI, Amazon EC2, AWS S3 bucket, AWS Glacier</i>	July 2024 – Present
<ul style="list-style-type: none">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	
VibeSync <i>Python, Librosa, Scikit-Learn, soundfile</i>	Oct. 2023 – Dec. 2023
<ul style="list-style-type: none">Built a system to detect and classify emotions from speech with a target accuracy of over 80%Utilized the RAVDESS dataset, consisting of 8 distinct emotions and 2,880 audio samples. Analyzed the working of sound and preprocessed the dataImplemented audio feature extraction using Librosa to analyze features such as 13 MFCCsTrained a MLP model, aiming for a minimum F1 score of 0.75 and assessed the model performance using accuracy, precision, recall, and confusion matrix metrics	
Getvyt <i>HTML, CSS, JS</i>	Nov. 2022 – Feb. 2023
<ul style="list-style-type: none">Collaborated with 20+ students & professionals from 5+ different countries to work on the projectApplication and portal for the invitation of events	

SKILLS & INTERESTS

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