

ANUSH M A

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Summary

B.Tech in Artificial Intelligence and Machine Learning with good Python proficiency and real-world experience in data preprocessing, model development, and deployment of AI solutions. Experienced in integrating ML models with front-end applications to develop smart, user-friendly systems. Proficient in TensorFlow, OpenCV, and deploying optimized machine learning solutions for real-world applications.

Education

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology	2021 – 2025
<i>B.Tech in Artificial Intelligence and Machine Learning</i>	<i>CGPA: 8.2/10</i>
St. Mary Goretty Higher Secondary School, Manalikari	2015 – 2021

Technical Skills

Languages: Python
Visualization: Power BI
Frontend: HTML, CSS
ML/DL: Machine Learning, Deep Learning

Tools & Software

Frameworks: TensorFlow, Flask, Scikit-learn
Libraries: OpenCV, NumPy, Pandas, Matplotlib
Version Control: Git, GitHub
Others: UiPath, VS Code

Professional Experience

Software Developer Intern	May 2025 – Sep 2025
<i>Global Quest Technologies</i>	
Currently working as a Python Developer Intern, where I am learning and applying Core Python, Advanced Python, and Django. I am involved in building web-based applications, handling both frontend and backend tasks. This includes designing APIs, integrating databases, and developing user interfaces. The role has helped me strengthen my skills in full-stack web development and real-world software practices.	

Projects

Fetal CHD Detection from Ultrasound Images	Dec 2023 – Mar 2024
Developed a deep learning model using YOLOv8 to detect congenital heart defects in fetal ultrasound images. The model was trained on annotated medical data to identify specific heart structures for early diagnosis. It demonstrated potential for AI in prenatal care, enabling timely detection of abnormalities. The project focused on medical imaging and real-time detection performance.	
Book Recommendation System Using Machine Learning	Jun 2024 – Sep 2024
Created a hybrid book recommendation engine using collaborative and content-based filtering techniques. The system analyzed user reading history and preferences to generate personalized suggestions. Implemented using Python, Pandas, and Scikit-learn, it was optimized for performance and accuracy. This project helped improve user engagement in digital libraries and apps.	
Face Recognition Voting System Using Deep Learning	Jan 2025 – May 2025
Built a secure face recognition-based voting system using CNN, SVM, and DeepFace integrated into a Flask application. The system captures real-time video input, detects and verifies faces, and prevents multiple voting attempts. It ensures one-person-one-vote through biometric verification and smart UI. Technologies used include OpenCV, TensorFlow, and real-time camera integration.	

Certifications

Infosys: AWS Solutions Architect – Networking Security
Infosys: Computer Vision Projects in Python
CCNA: Introduction to Networks
UiPath Academy: Automation Explorer Training
NPTEL: Responsible AI, Soft Skills

Languages

Tamil (Fluent)
English (Fluent)
Malayalam (Fluent)