

Prabudh Gautam

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Target Role: Python Developer

Profile Summary

Enthusiastic python developer with hands-on experience in deep learning applications. Skilled in developing, testing, and deploying intelligent systems using Python and vision libraries, with a strong foundation in machine learning. Experienced in vision models and applied AI research, including publishing a paper on real-world AI applications. Adept at problem-solving, creativity and cross-functional collaboration, with a passion for building impactful solutions that enhance user experiences and business outcomes.

Education

B.Tech in Electronics and Communication Engineering

2021 – 2025

Galgotia's College of Engineering and Technology

Experience

AI/ML Intern – Zippi.ai

Jul 2024 – Sep 2024

- Developed and deployed the **FITORBIS**(GitHub) project integrating pose estimation and ML for real-time exercise recognition.
- Gained hands-on experience in computer vision and research paper writing.
- Contributed to model evaluation and optimization for accuracy and speed.

Skills

Soft/Hard skills: Good communication, time management, and problem-solving abilities

Programming: Python,SQL,Object Oriented Programming

Libraries/Tools: FastAPI,Pandas,Numpy,Django,MS office

Venv: Pycharm

AI/ML: Machine Learning,Deep Learning

Mathematics: Linear Algebra, Probability, Calculus

Leadership Experience

President – NMIH GCET Club

2022 – 2024

- Founded the club under NEP 2020 to promote student development and professional exposure.
- Organized technical events, competitions, and educational trips to **NSIC** and **DEFCON Delhi 2024**.
- Managed multi-event campaigns with **200+ participants**, leading a team of volunteers.

Projects

FITORBIS – AI-Powered Fitness Alarm System

Final Year Project

- Designed an alarm system requiring completion of physical exercises to deactivate.
- Achieved **95% accuracy** on exercise repetition detection.
- Implemented real-time HAR (Human Action Recognition) with MediaPipe 2D pose estimation.
- Deployed on Raspberry Pi using optimized Python code for GPU-free execution.
- **Tech Stack:** Python, OpenCV, MediaPipe, NumPy, Pandas
- Research Paper: Conference Paper (2025)