

PRIYADHARSHINI G

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SUMMARY

Versatile and detail-oriented Developer with experience in full-stack web development, real-time gesture recognition, and machine learning applications. Proficient in technologies like Python, Flask, Django, JavaScript, HTML/CSS, MediaPipe, and REST APIs. Passionate about building impactful, user-focused solutions across both frontend and backend.

EXPERIENCE

INTERN

May '25 — Jun '25

NIT Puducherry

Karaikkal, India

- Built and optimized machine learning models for real-time prediction and data analysis tasks using Python and scikit-learn.
- Designed and implemented image processing algorithms with OpenCV for gesture and object recognition.
- Collaborated with cross-functional teams to document findings, present technical results, and support model integration.

EDUCATION

HSC, KAPGHS SCHOOL (GPA: 87.4%)

2022

Muthupet

Computer Science and Engineering, ANNAMALAI UNIVERSITY (GPA: 9.44)

Nov '22 — Present

Annamalai Nagar

CERTIFICATIONS

Cloud Computing, NPTEL

Social Networks, NPTEL

Data for Everyone, Google Career Certificates

Cybersecurity Analyst Job Simulation, Tata Groups

PROJECTS

AI Model for Assisting the Deaf

- Developed a two-way communication system that uses sign language recognition (using MediaPipe and CNN) and speech-to-text conversion to facilitate communication between deaf and hearing individuals.
- Integrated translation and audio feedback.

TravelGo Mobile App

- Designed and built a mobile application to help users plan and book travel experiences, with features like itinerary creation, real-time weather updates, and location-based recommendations.
- Developed using Flutter and Firebase.

Smart Attendance System

- Built a Flask-based web application for managing classroom attendance, allowing teachers to create classes, mark attendance, and view reports.
- Integrated with SQLite and Python backend for efficient data handling and security.

Pneumonia Detection using Machine Learning

- Implemented a deep learning model using CNN to classify chest X-ray images for pneumonia detection.
- Achieved high accuracy using data augmentation, dropout layers, and transfer learning with pre-trained models.

SKILLS

Programming C++, python

Data Science Pandas, Numpy, OpenCV, Excel, PowerBI, Tableau

Version Control Git, Docker

Web Development Flask, Streamlit, HTML, CSS

Machine Learning CNN, YOLO, Transformers(BERT, LSTM), Scikit-learn, TensorFlow, Keras

Interests Problem Solving, Freelance, Mentoring

Languages English, Tamil

EXTRACURRICULAR ACTIVITIES

Class Representative

Sep '23 — Present