

Pranesh Senthilkumar

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About

A passionate IT graduate in Python, TensorFlow, and the MERN stack. My applications include innovative projects such as Lip Reading AI, which used deep learning, and a Face Recognition Attendance System. I am equipped with full-stack development abilities and expertise in cloud technologies, Machine Learning, and Java.

Skills

Languages Python,Java,PHP,JavaScript
Frameworks Laravel,Express.js,React.js,Node.js
Database MongoDB,DynamoDB,MySQL,Redis
API RESTful APIs

Version Control Github,Gitlab
Authentication JWT
Testing Postman
Cloud AWS,Linode

Intern Experience

Integra Surveillance

Jun 2023 – Jul 2023

Network Engineer Intern

- Monitored and resolved network performance issues using tools like Wireshark and SolarWinds to optimize connectivity and bandwidth.

Accent Techno Softs

Jun 2024 – Jul 2024

Cloud Engineer Intern

- Designed and automated scalable cloud infrastructure with AWS, Azure, or GCP using tools like Terraform, Ansible, and CI/CD pipelines to enhance performance and consistency across environments.

Education

Oxford Matric. Hr. Sec. School

2017 – 2021

SSLC - 92

HSC - 91

- I actively participated as a scout during my school years, fostering teamwork, discipline, and leadership skills.

FEAT,Annamalai University

2021 – 2025

Bachelor of Engineering in Information Technology

OGPA:8.77

- proudly served as an NCC cadet in college, developing leadership, discipline, and a strong sense of national responsibility.
- secured first place in a quiz competition held at Christ College, Puducherry, showcasing my knowledge and quick thinking skills.

Certifications

- Swayam,NPTEL - Introduction to Java Programming
- Swayam,NPTEL - Introductio to Machine Learning
- Scaler - Javascript Course
- Udemey - Linux Terminal for Beginners
- Udemey - Ubuntu Linux Fundamentals
- Scaler - Node.js Course

Projects

Face Recognition-based Attendance System

2023

- "Developed a face recognition-based attendance system using Python, OpenCV, dlib, and face recognition libraries for accurate student identification and SQLite for data storage and Flask for the web interface as collage mini-project

Lip Reading using Artificial Intelligence

2024

- Developed Lip Reading AI system with the use of technologies like Python, OpenCV, TensorFlow, Keras, CNNs, RNNs, and CTC loss to use video processing, deep learning, and speech recognition to accurately perform lip-to-text conversion as collage main-project.

Mini-Projects

- a to-do list app that allows users to create, manage, and track tasks with features like due dates, reminders, and task prioritization.
- Personal Blog.