

# POOJA V

✉ kit26.ad43@gmail.com ☎ 9080887596 📍 Dharapuram,Tiruppur,TamilNadu,India

🔗 leetcode.com/u/POOJA\_VEDASAMY/ 🔗 linkedin.com/in/pooja-v-181779284

🔗 github.com/poojavedasamy

## Education

---

**KIT-Kalaigarkarunanidhi Institute of Technology** 11/2022 – 05/2026  
Bachelor of Technology in Artificial Intelligence and Data Science-8.89  
Graduation Year:2026

**St. Aloysius Girls Higher Secondary School** 07/2020 – 03/2022  
Higher Secondary Certificate– 78.33%

Secondary School Certificate-69.8% 06/2019 – 03/2020

## Skills

---

- Python Programming
- Git and Github
- Operating System
- C Programming
- Web Development
- Data Structures
- SQL
- Machine Learning
- Algorithm(Python)

## Projects

---

### Text to Slides Generator using AI

- Developed a web application that **automatically converts input text into structured presentation slides** using Google's **Gemini 1.5 Flash** model
- Integrated **FastAPI backend** with a **React + Vite frontend** for real-time slide generation
- Focused on **layout optimization, prompt engineering**, and managing **API quota limitations**

### Audio To Text Conversion using Deep Learning

- Built an **audio-to-text conversion system** using **Wav2Vec2** deep learning model
- Utilized **Librosa** for audio preprocessing and feature extraction
- Addressed **noise** and **vocabulary limitations** through model **fine-tuning**

### Sleep Quality Predictor

- Developed a machine learning model using RandomForestClassifier to predict sleep disorders from lifestyle and health data (accuracy: ~90%).
- Preprocessed categorical features with LabelEncoder and handled real-time prediction on new samples using scikit-learn and pandas.

## Certificates

---

- Infosys SpringboardTech:Python,AI&ML Foundation,Web Development.
- NPTEL:Data Mining.
- Coursera:Introduction to ML,Introduction to Generative ai,Foundation of Data Science.
- ALTAIR:ML Master,MLProfessional.

## Experience

---

### Ether Infotech

Machine Learning Intern.I gained knowledge of fundamental machine learning concepts, enhancing my technical skills and practical understanding.