

# Mithra K



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<https://github.com/mithrakaliraj>

## Education

**Bachelor of Engineering** 2022 -2026

**National Engineering College, Kovilpatti**

Computer Science and Engineering

CGPA - 7.95 (up to 5th semester)

**Higher Secondary School** 2020 -2022

**Dr . V. Gengusamy Naidu Matric Higher**

**Secondary school, Thiruvengadem**

Percentage: 82.7

**Secondary School** 2019 -2020

**Dr.V.Gengusamy Naidu Matric Higher**

**Secondary school, Thiruvengadem**

Percentage: 72

## Skill Set

- C
- OOPS C++
- Python
- Figma
- Sql
- Html5
- CSS3
- Java Script

## Additional

Honors Degree (Ongoing) +Specialization  
in AI and ML

## Co -Curricular

IE(I) club -technical executive

## Projects

### **Hospital Discharge Report summarizer using GenAi**

Developed a GenAI-powered tool to extract and simplify hospital discharge reports, converting complex medical text into easy-to-understand summaries. Implemented using **OpenAI API** with **OCR** and Python to present information in a clean, tabular format for patient clarity.

### **Calorify – Revealing Insights Beyond the Plate**

Built a web-based AI system for food calorie estimation from images and simplified medical report understanding for everyday users. Implemented using **YOLOv8** for food detection, **Gemini API** for report summarization, and GPT-powered chatbot, **Flask**, **MongoDB**, **OpenCV**, and frontend with HTML, CSS, and JavaScript.

### **SmartLeaf: Leaf Disease Detection**

Developed an AI-based plant leaf classifier to identify species through image recognition using Python, TensorFlow, and CNN. Enabled high-accuracy multi-class classification with real-time predictions via OpenCV.

## Internships

1. Python Developer at **TechnoHacks Solutions Pvt. Ltd.**
2. Software developer at **HBS solutions, chennai**

## Extra - Curricular

NSS - attended one week camp twice, National voters' day rally, antidrug Rally