

# MUTHUMANIKANDAN K

COMPUTER SCIENCE ENGINEER

Pudukkottai India - 614630 | kmuthumanikandank@gmail.com | +91 7200858432 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## PROFESSIONAL SUMMARY

Computer Science Engineering student with hands-on experience in Python and Django-based full stack web development. Completed internships Focused on backend development, REST APIs, and database-driven applications. Strong in problem-solving, OOP concepts, and Git-based version control. Actively seeking entry-level Python Developer or Full Stack Developer roles.

## INTERNSHIPS

### Application Development Intern

RDEGI, Bangalore India, June 2024-July 2024

- Developed a Django-based web application with modular backend architecture
- Designed models and implemented CRUD operations using Django ORM
- Implemented user authentication, URL routing, and database integration
- Used Git for version control and collaborative development

### MERN Stack Application Development Intern

Codeshell Technologies, Madurai India, June 2025-July 2025

- Contributed to full-stack development using MongoDB, Express.js, React, and Node.js
- Built RESTful APIs and handled database operations
- Collaborated in an agile team to debug and optimize application performance

## PROJECT

### Driver Drowsiness Detection System

Python, OpenCV, MediaPipe

- Built a real-time driver safety system using computer vision techniques
- Used MediaPipe Face Mesh to track eye landmarks and calculate EAR
- Triggered audio alerts when drowsiness was detected continuously
- Improved accuracy using smoothing filters and threshold-based logic

## EDUCATION

### B.E. Computer Science and Engineering

Annamalai University, Chidambaram • 2022- Currently Pursuing

### HSC at Govt Hr. Sec. School, Tamilnadu

Percentage : 81% • 2022

### SSLC at Govt High School, Tamilnadu

Percentage : 84% • 2020

## SKILLS

Programming Languages : Python, C, C++

Front End : HTML, CSS, JavaScript

Web Frameworks : Django, FastAPI

Database : MySQL, MongoDB

Tools & Version Control : GitHub

Concepts : OOP, REST APIs, SDLC

## CERTIFICATIONS

Cloud Computing – NPTEL (2024)

Social Networks – NPTEL (2025)