

GRANDHI AKSHAY

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About

An adept pre-Final year Engineering student with a passion for technology and a drive to make a positive impact through innovative solutions. I thrive in collaborative environments and excel in teamwork, believing that together, we can amplify our potential to create meaningful change.

Education

Amrita Vishwa Vidyapeetham, Coimbatore	Sept 2021 - Present
Bachelor of Technology in Electrical and Computer Engineering	CGPA:8.47/10
Sri Chaitanya Junior College (HSC)	Percentage:96.9%
Vishwabharathi E.M. High School (SSC)	CGPA:10/10

Technical Skills

Languages: C, Python, Assembly Language, MATLAB, SQL

Web Technologies: HTML, CSS, JavaScript (Basic)

Software & Tools: MATLAB, MATLAB Simulink, MPLAB, Keil u Vision 4 (LPC 2148), MS Excel, MS Word, MS PowerPoint, GitHub, Postman API, LT Spice

Certifications

Certificate1: Postman API Fundamentals Student Expert Certificate by Badgr

Certificate2: EV Technology Virtual Internship by Kodacy

Certificate3: Basic Frontend Development bootcamp Certificate by GDSC KIIT Chapter

Certificate4: Frontend Development bootcamp Certificate by Microsoft student ambassador

Certificate5: Python bootcamp Certificate by GDSC KIIT Chapter

Projects

Train Ticket Booking System | Python

June – July 2022

- Developed a project with an optimized algorithm for booking trains.
- Can be used for max.20 trains and with other custom options

Robot Control using switches | C Language, MPLAB

May – June 2023

- Developed a prototype model of an electronic robot (chassis) using PIC16F877A microcontroller

Multilingual Display using Bluetooth | C Language, Keil u Vision 4

August – December 2023

- Developed a prototype model of an LCD 16*2 with Bluetooth interfacing and can be controlled wirelessly using LPC2148 ARM processor and implemented in English and Hindi and Tamil Languages

Admission Prediction | Machine Learning

August – December 2023

- Developed a project for admission prediction using basic machine learning algorithms.

Surveillance Camera |ESP32 Cam module

February – May 2024

- Developed a security camera which gives live feed and captures pictures if needed.
- Created a firebase database and linked to it and created an app and integrated with the firebase to use remotely.

Petrol Pump Management |Python, MYSQL, DBMS

April – May 2024

- Developed a database for petrol pump management using Python streamlit and MYSQL.

Face Emotion Detection | Deep Learning, Neural Networks

May – June 2024

- Developed a project for face emotion detection using Lenet – 5 Architecture.

Experience & Volunteering

Arya Vysya Club

- Actively contributed during the times of disasters and distribution schemes

National Service Scheme (NSS)

June 2022 – Present

Volunteer

- Actively participating in social activities
- Recently did my service at the Government Elementary School in KG Chavadi, Coimbatore

The Elite Club

Core team

- Working as Technical Department Co – Head
- Worked as public relation member for 1-year

Aug 2023 - Present

Aug 2022 – July 2023

Soft Skills

Leadership

Problem Solver

Communication Skills

Team-oriented

Areas of Interest

ARM LPC2148

Python

Languages

English – Full Professional Proficiency

Hindi – Full Professional Proficiency

Telugu – Native/Bilingual Proficiency

Tamil – Elementary Proficiency

Hobbies

Listening Music

Reading Webnovels