DARA THARUN

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⚧ Male ⚭ Single in linkedin.com/in/dara-tharun 🚩 Indian

PROFILE

A highly motivated and detail-oriented recent graduate with a strong foundation in InformationTechnology, software development, and programming. Eager to apply technical skills and problem-solving abilities in a dynamic IT environment. Possess hands-on experience with a range oftechnologies through academic projects and internships.

EDUCATION

B.Tech in Electronics and Communication Engineering (ECE)   2021 – 2025
Narayana Engineering College Gudur

Andhra Pradesh Board of Intermediate Education (MPC)   2019 – 2021
Gurrappa Setti Govt Junior College,Naidupeta

Andhra Pradesh Board of Secondary Education (SSC)   2018-2019
Vision EM & TM High School,Naidupeta

PROJECTS

HAND GESTURE RECOGNITION TO CONTROL LEDS USING ARDUINO AND PYTHON   2025

- Designed a hand gesture-based LED control system using Python (OpenCV) and Arduino.
- Detected hand movements through webcam using contour and convex hull techniques.
- Sent recognized gesture signals to Arduino via serial communication to control corresponding LEDs

STUDENT DATABASE MANAGEMENT SYSTEM (PYTHON + SQL)   2024

- Created a basic program to store and manage student details.
- Used Python to take input and show results.
- Connected the program to a MySQL database to save and get student data.
- Added features like add, update, delete, and search student records.

SIMPLE WATER LEVEL INDICATOR USING ULN2003 IC   2023

- Designed and implemented a basic water level indicator circuit using ULN2003 IC, an array of Darlington transistors, to control the indication system.
- Utilized probes placed at different water levels to detect water presence and send signals to the ULN2003 IC, which in turn powered LED indicators corresponding to each level.

INTERNSHIP

Python Programming Intern – CODTECH IT SOLUTIONS   *Jan 2025 – Mar2025*

- Learned the basics of Python programming including variables, data types, loops, and functions.
- Gained exposure to problem-solving using simple programs and logical structures.
- Completed basic hands-on tasks and mini assignments to reinforce concepts.

SQL Intern – SLASH MARK   *May 2024 – Jun 2024*

- Understood fundamental SQL operations such as SELECT, WHERE, JOIN, and ORDER BY.
- Practiced query writing and data retrieval techniques in MySQL.
- Applied SQL commands to solve basic real-time data problems.

VLSI Design Processing Intern-Sri Shasha Prayathi   May 2023 – Jun 2023

- VLSI design using Xilinx Software which converts verilog code into Gate level Representation.
- Basically in this I have learn basics of VLSI design.

SKILLS

Python

Java

HTML

CSS

SQL

COURSES

Image Processing   Jan 2024 – Mar 2024

NPTEL

- Experienced in implementing fundamental operations such as image filtering, edge detection, histogram equalization, and morphological operations to improve image quality and extract relevant features.

Fundamentals of Micro and Nano Fabrications   Jul 2023 – Oct 2023

NPTEL

- Acquired foundational knowledge in the processes and techniques used to fabricate micro- and nano-scale devices, including semiconductors, MEMS (Micro-Electromechanical Systems), and NEMS (Nano-Electromechanical Systems).

CERTIFICATIONS

- Basics of Python Language from Cisco

- Basic of SQL Simplelearning

LANGUAGES

- English
- Telugu

ORGANISATIONS

SWECHA AP   Mar 2023 – present
Student Councilor in my College

INTERESTS

— Traveller | Foodie | Reading moral stories | Listening Songs | Pet lover | Learning new things