STEFFI STALIN S

Electronics and Communication Engineer

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Summary

Highly motivated and innovative Electronics and Communication Engineering Graduate. Effective team player with excellent communication skills, collaborating on multidisciplinary projects to deliver high-quality results with fast learning ability. Adept at work in fast-paced environments and collaborating across teams.

Skills

Languages: Python | C | SQL | HTML |CSS.

Tools and Frameworks: VS Code | Linux | Version Control System| Cadence | MATLAB | Xilinx | Pspice.

Education

St. Joseph's College of Engineering (An Autonomous Institution) Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai.

B.E. Electronics and Communication Engineering 2021 – 2025

- CGPA: 8.33/10

Mar Gregorios Matric Higher Secondary School, Kirathoor. (Tamil Nadu State Board).
Medium of Instruction – English.

HSLC & SSLC 2018 – 2021

- 91.16% in 12th
- 90% in 10th

Projects

THREE-WAY TRAFFIC LIGHT CONTROL SYSTEM

- Designed and implemented an automated Three-Way Traffic Light Control System using Arduino that simulates the working of traffic lights at an intersection with three roads. The system typically involves controlling three sets of traffic lights (Red, Yellow, and Green) for three directions of traffic. Each set will follow a sequence to manage traffic flow.
- **TOOLS**: Arduino | 3 x Red, Yellow, and Green LEDs | Resistors (220 ohms) | Jumper wires | Bread Board | Push button | Embedded C.

DETECTION OF SKIN LESIONS USING CONVOLUTIONAL NEURAL NETWORK

- The goal of this project is to build a machine learning system using Convolutional Neural Networks (CNNs) to automatically detect skin lesions from images, which could help in identifying and diagnosing potential skin diseases like melanoma, basal cell carcinoma, etc. This project involves image classification and is part of the medical field's diagnostic automation process.
- **TOOLS**: Image Processing toolbox (MATLAB)| Statistics and Machine learning toolbox.

PERSONAL PORTFOLIO

- I created a personal portfolio website using HTML and CSS to showcase my skills and projects. I used Visual Studio Code as the development environment and hosted the project on GitHub for version control and deployment. This experience helped me strengthen my front-end development skills and understand the basics of responsive design and code collaboration tools.
- **TOOLS**: Visual Studio Code | Live Server Extension (in VS Code) |GitHub | Google Sheet.

Internship

Intern, Code Bind Feb 2022

- Gained knowledge about Arduino boards.
- Learned about its working and coding procedure.
- Did few related projects.

Intern, NLC India Limited May 2024

- **Mining Method**: Learned about Open-Cast Mining, which is suitable for the shallow lignite deposits, and Bucket Wheel Excavators and Draglines are commonly used in the extraction process.
- **Supply Chain**: Knowledge on how the lignite is transported to nearby thermal power stations or other locations for power generation and industrial use.
- **Neyveli Thermal Power Station**: Learned about Neyveli I, Neyveli II, and Neyveli III power stations and their raised technologies and capacities.

Intern, LearnFlu Jan 2025 – May2025

- During my internship at **LearnFlu**, I successfully completed a comprehensive **Full Stack Web Development Course**.
- Covered front-end technologies. This hands-on program provided me with a strong foundation in building dynamic and responsive web applications.

Certification

COURSES

- Course: Basic Coding in Python
- Course: Basic Coding in C
- Course: Intermediate Coding in Python
- Course: Intermediate Coding in C
- Course: Basic Coding in Java
- Course: Full Stack Web Development

Personal Information

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GitHub ID: https://github.com/SteffiStalin/desktop-tutorial
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