

Siddhesh Agarwal *Software Developer*

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🎓 Education

Sri Krishna College of Engineering and Technology, B.E. CSE [🔗](#) Nov 2021 – May 2025
Coimbatore, India
Enrolled in a 4-year (8-semester) **Computer Science and Engineering** course.

Padma Seshadri Bala Bhavan Sr. Sec. School, 12th std. [🔗](#) Aug 2006 – Jun 2021
Chennai, India
Studied in PSBB, KK Nagar, Chennai from Pre KG to Grade 12 (CBSE).

👜 Professional Experience

Full Stack Developer, SKCET [🔗](#) Apr 2023 – Feb 2024
Coimbatore
This Project was built under the "Digitization of Labs" Initiative to help Lab Admins **manage lab inventories**. It also helps mark **student attendance** by scanning their ID Cards and assigning them systems. While this functionality was written in Laravel, the Admin-side **Bill Management System and PDF Report generation** were done using Python-Streamlit.

🧠 Skills

Programming Languages

Python, JavaScript, TypeScript, C, C++, PHP, Haskell

Frontend Development

React.js, Next 13/14, TailwindCSS, Shadcn-UI, HTML 5, CSS 3

DataBase Management

MySQL, PostgreSQL, MongoDB, Redis

ML/NLP/Gen AI

NumPy, Pandas, TensorFlow, HuggingFace, Transformers, LangChain

Backend Development

Django, FastAPI, Flask, Laravel, Express.js, Node.js

Tools

Git, GitHub Actions, Bash, Powershell, Neovim, Linux, Docker

📁 Projects

Newsful, An LLM Pipeline deployed as a browser extension to detect fake news [🔗](#)
A Project for the **Kavach 2023 Cyber Security Hackathon**. This project utilizes the **OpenAI API** and connects it to the internet using the **LangChain** Framework. Then using **NLP**, the **keywords are extracted** from a sentence and **cross-referenced with verified fact-checking sites** to determine the accuracy of a given input.

Diagnose.AI, Web Application for Skin Cancer Detection [🔗](#)
A web-based Application for **Skin Cancer detection** using **TensorFlow and Streamlit**. Deployed on **Streamlit Cloud**. Uses a **Convolutional Neural Network** for the classification.

IP Database, A Python app to get information about an IP address [🔗](#)
This is a database of IP addresses and their associated domains. It can be used for finding the domains associated with an IP Address or vice versa. Made using **Streamlit and MongoDB**. Deployed on **Streamlit Cloud**.

Matmath, A simple and efficient module for matrix and vector manipulation [🔗](#)
A Python library to **handle matrices and vectors** natively in Python. The Matrix and vector classes come with support for almost all different operations.

📜 Certificates

Kaggle Certifications [🔗](#)

FreeCodeCamp Certificates [🔗](#)

Coursera Certifications [🔗](#)

HackerRank Certificates [🔗](#)

🏆 Awards

Kavach Hackathon, Ministry of Home and AICTE Aug 2023
Won the Grand Finale of the Kavach 2023 Cybersecurity hackathon conducted by the Ministry of Home Affairs, AICTE and I4C. Made an LLM Pipeline deployed as a browser extension to **detect fake news**.

Overall Best Hack, PoweringSTEM Jan 2023
Won the overall best hack for Diagnose.AI in the PoweringSTEMHacks hackathon along with a cash prize of \$200.

Runner Up, I4C and Binance Aug 2022
Won the 2nd place in the Problem Statement "Blockchain for Land Deeds" in the Ideathon conducted by Binance and I4C.

2nd Runner Up, KIET, Gaziabad May 2022
Won the 2nd Runner-up prize along with a coach prize of ₹15,000 in the Innohacks 1.0 hackathon conducted by the Innogeeks club of KIET, Ghaziabad.