



Siddhesh Agarwal

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📍 New Delhi, India

in LinkedIn

🐙 GitHub

📁 Portfolio

📝 Blogs

EDUCATION

Nov 2021 – May 2025
Coimbatore, India

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

Aug 2006 – Jun 2021
Chennai, India

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

PROFESSIONAL EXPERIENCE

Apr 2022 – Sep 2022

Junior WebOps Developer, IIT Madras
Joined the Junior WebOps Team at **IIT Madras** and helped develop a high-speed API (response time < 100ms) for certificate generation. I worked with **FastAPI**, **SQLAlchemy** and **MySQL**

SKILLS

Python

Worked with Python for 4.5+ years along with various libraries

Frontend Development

React.js, Next 13, TypeScript, JavaScript, TailwindCSS, Bootstrap, HTML 5, CSS 3

API Development

Django, FastAPI, Flask, Laravel, Spring Boot, Postman

Machine Learning and NLP

NumPy, Pandas, XGBoost, Keras, TensorFlow, Scikit Learn, HuggingFace, Transformers and LangChain

DataBase Management

MySQL, PostgreSQL, MongoDB, Redis, etc.

Programming Languages

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

PROJECTS

Aug 2023 – Aug 2023

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 **Llama 2** Large Language Model 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.

Jan 2023 – Jan 2023

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.

Apr 2023 – Apr 2023

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**.

CERTIFICATES

Kaggle Certifications [🔗](#)

Completed all 16 Kaggle Certifications covering different topics in Data Science (Python)

Coursera Certifications [🔗](#)

Obtained multiple certifications from Coursera for completing various courses and guided projects

FreeCodeCamp Certifications [🔗](#)

Completed courses on Scientific Computing, Data Analysis and College Algebra with Python

Udemy Certificates [🔗](#)

Completed various certifications from Udemy resulting in improved skills in various fields

AWARDS

Aug 2023

Kavach Hackathon, Ministry of Home and AICTE
Won the Grand Finale of the Kavach 2023 Cybersecurity hackathon conducted by the Ministry of Home Affairs, AICTE and I4C. The problem statement was "**Advanced Fake News Detection**". Was awarded a cash prize of ₹1 Lakh for the same.

Jan 2023

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