

Kartik Swaroop Dhiman

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SKILLS

Python, Git/Github, C, C++, FastAPI, JavaScript(beginner), HTML, Machine Learning, GenAI, Data Version Control, RESTful API, Exploratory Data Analysis(EDA), Neural Networks, Deep learning, NoSQL(MongoDB), SQL, and Data Structures.

EDUCATION

Ajay Kumar Garg Engineering(2021-2025)

Bachelor of Technology, Computer Science and Engineering

Ghaziabad, UP

CGPA - 7.32 / 10

Nehru World School(2018-2020)

High School, PCM

Ghaziabad, UP

Percentage - 93.2%

EXPERIENCE

IBM Skillbuild Summer Internship([LINK](#))

Date - 25 June to 05 August

- Build a blog RESTful API for this project with Python. The API is connected to the database. API calls the database to store and retrieve the information about the blog.
- The repo([LINK](#)) contains the code for the blog API implementation.
- The technologies used in this API are Python, FastAPI, and database(MongoDB). Certificate link([Linkedin](#)).

PERSONAL PROJECTS

Website Blocker Chrome Extension([LINK](#)) Tech Used - Python, FastAPI, Javascript, Typescript, Tensorflow

- Automatically blocks distracting websites to help users stay focused and productive.
- Used CNN (MobileNetV2 is built on CNN) + some layers on website screenshots to categorise sites as productive or unproductive.
- When users attempt to access an unproductive website, the extension provides user-friendly warnings and blocks that website.

Fake News Detector([LINK](#)) Tech Used - Python, FastAPI, Data Version Control, Scikit- Learn, git(version control), JSON, Jupyter Notebook, etc.

- The user can select the news headline and the detector will indicate if the news is fake or legitimate.
- The project uses the Random Forest model(Tree Model) which is trained on the liar-liar dataset with ten thousand different news headlines and covers.
- To map the dataflow during training, I have used Data Version Control. The model gives approximately 83% accuracy.

MedChat([LINK](#)) Tech Used - Python, Flask, Langchain, Pinecone, Large Language Model, HTML.

- A chatbot which uses the llama2 model from Huggingface to give medical suggestions.
- This project is fine-tuned on medical books and provides vital information about any disease the user may require.
- The user may also provide an image to identify the disease and find the proper cure for it.

CERTIFICATIONS

- [Machine Learning, Stanford University](#)
- [Python Certificate \(Hackerrank\)](#)
- [Machine Learning A-Z: AI, Python, R](#)