

Aneesh Ahuja

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EDUCATION

Maharaja Surajmal Institute of Technology (GGSIPU)

Bachelor of Technology (IT) - CGPA: 9.447

Delhi, India

2023-27

Amity International School

12th Percentage: 90% | 10th Percentage: 96%

Noida, India

2023

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, JavaScript, C/C++, HTML, CSS, LaTeX

Machine Learning & AI: TensorFlow, PyTorch, Keras, Sklearn, HuggingFace, Langchain, OpenCV

Libraries & Frameworks: HuggingFace, Langchain, Numpy, Pandas, Selenium, BeautifulSoup, Matplotlib, Seaborn, Tensorflow, Pytorch, Flask, FastAPI, Streamlit, Botasaurus, Plasmio

Databases: MongoDB, Redis

Developer Tools: Git, Github, VSCode, Postman, Google Collab

PROJECTS

SafeHire Wizard | *FastAPI, MongoDB, Redis, Botasaurus, Selenium, BeautifulSoup, Plasmio, PyTorch*

- Engineered a browser extension and backend pipeline to detect and flag fraudulent job listings scraped in real-time from LinkedIn and Gmail coming from a variety of job posting sources such as LinkedIn, Naukri, and job postings on company websites.
- Deployed MongoDB to manage URLs already detected; leveraged Redis caching to slash response latency by 300% and eliminate redundant API hits.
- Trained a PyTorch classifier on 17,000+ job records, attaining 98% classification accuracy on testing along with 99% training accuracy.

Neural Style Transfer App | *TensorFlow, Keras, Streamlit, VGG19, PIL, OpenCV*

- Built a full-stack app that allowed users to apply neural style transfer using a VGG19 model.
- Enabled dynamic previews for 3+ transformation stages per image to boost transparency and user engagement.
- Reduced model inference time by 50% through graph optimization and TensorFlow-lite conversion.

MNIST Digit Classification Web App | *Flask, TensorFlow, Keras, PIL, Numpy*

- Launched a digit recognition app with a custom drawing canvas, allowing real-time classification of 0-9 digits with 97.5% test accuracy.
- Designed a JavaScript-based sketchpad to capture user input samples for model inference and performance testing.
- Improved accuracy by augmenting the MNIST dataset by adding noisy and rotated images.

CERTIFICATIONS & AWARDS

Python Zero to Hero Bootcamp Certificate: — Built 3+ hands-on mini projects and explored advanced topics like decorators, OOP design patterns, and regular expressions in Python.

Google Data Analytics Certificate: — Completed an 8-course professional specialization; cleaned, transformed, and visualized 10+ datasets using SQL, R, and Tableau.

Supervised ML by DeepLearning.AI Certificate: — Implemented regression and classification algorithms from scratch; achieved over 95% accuracy in structured prediction tasks.

Finlatics ML Program: — Executed 2 real-world predictive modeling case studies on 3 datasets: Advertising Sales, Facebook Marketplace and Wine dataset using Pandas and Scikit-learn.

GenAI with Langchain and HuggingFace Certificate: — Developed over 3 GenAI applications using LangChain pipelines and HuggingFace APIs; integrated models like LLaMA and Mistral via Groq.

DSA in C/C++ Certificate: — Coded 50+ data structures and algorithms including AVL trees, Dijkstra's algorithm, and trie-based search engines in C++.

Code-e-Manipal Participation Certificate: — Competed against 300+ peers in national-level coding challenges; solved 8 algorithmic problems within 3 hours.

Hack Summit Participation Certificate: — Collaborated in a team of 4 to prototype an AI-based fake job posting detector chrome extension at Plaksha University hackathon.

COMMUNITIES & SOCIETIES

Geek Room (DSA, MSIT) – Member

2024–Present