

AYUSH AGGARWAL

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Education

Maharaja Surajmal Institute Of Technology, New Delhi, India

December 2020 – June 2024

Bachelor of Technology in Electronics and Communication Engineering

CGPA : 8.72/10.0

- **Relevant Courses:** Object Oriented Programming(Python); Data Structures and Algorithms; Data Communications and Networks(Computer Networks)

Technical Skills

Data Science: Machine Learning, Exploratory Data Analysis, Web Scraping, Statistics, Linear Algebra

Programming Skills: Python, HTML, CSS, SQL

Tools: MS Office, Google Sheets, Canva, Tableau, Streamlit

Projects

Olympic Data Analysis | *Python, Data Analysis*

October 2024

- Conducted in-depth analysis of Olympic data, including medal tallies, athlete participation, and event growth across various sports and countries.
- Developed heatmaps, scatterplots, and line charts to visualize trends in Olympic participation, event distribution, and country-specific success over time.
- Implemented detailed insights on the most successful athletes, with sport and country filters, and analyzed age distribution of medalists across different sports.
- Explored trends in male and female athlete participation, providing comparative insights on gender representation across Olympic events.

PDF Text Summarizer | *Python, Language Model*

May 2024

- Built an interactive PDF summarization application using Streamlit, enabling users to upload PDF documents and receive concise summaries generated by the Lamini Flan T5 language model.
- Implemented the Lamini Flan T5 model, fine-tuned for text summarization, to process and summarize large-scale PDF files, enhancing the application's text analysis capabilities.
- Utilized the Langchain library for effective PDF text extraction, splitting, and preprocessing, ensuring smooth document handling and summarization.
- Designed an intuitive UI with options for downloading and sharing summaries, ensuring a seamless user experience for content retrieval and document analysis.

Voice Bot | *Python, Flask*

November 2023

- Voice Bot is a Web application that uses user speech/text to respond in audio prompt in natural language.
- It uses OpenAI Whisper model for speech recognition and chat completion using Bard API.
- Web framework is built by Flask.

Experience

Brain Mentors Pvt Ltd

August 2023 – September 2023

Machine Learning Trainee

New Delhi

- Learned Python ecosystem and learn popular modules, libraries and tools for Python.
- Learned Data Analysis and Worked on machine learning projects.
- Maintained high level of efficiency during training by taking detailed notes and consulted experienced employee.

Certifications

- Google Data Analytics Professional Certificate
- Programming in Python

Achievements

- Participated in 24-Hour Hybrid Hackathon — Hack-a-Miner
- Solved 100+ question on Leetcode and other platforms

Interests

Listening Podcast, Cooking, Skating, Badminton, New Gadgets, Meditation, Self Improvement