



SUMMARY

B.Tech AI & DS student with strong skills in Python, C, Django, Java, React, DS, ML and AI algorithm, passionate about solving real-world problems using technology, creativity, and analytical thinking.

WORK EXPERIENCE

The ACE - Student Ambassador

Aug 2024-Sep 2024

Served as a representative of ACE, mentoring students and promoting ACE programs and initiatives to a large student audience.

ACE-DTC - Co-Lead

Aug 2024-Present

Serving as Vice-President of ACE-DTC, leading the organization of engaging events and hackathons for the Tech Society.

EDUCATION

Bachelors' of Technology | Artificial Intelligence and Data Science

2023-2027

Indraprastha University - Delhi Technical Campus

CGPA - 8.87/10

Senior Secondary Certificate (12th)

2022-2023

Central Board of Secondary Education - Bal Bhawan Public School

Percentage - 77%

SKILLS

MySQL, Data preparing and Cleaning, Pandas, Numpy, Matplotlib, Scipy, EDA, ML Algorithm, Data Visualisation, Feature Selection, Python, DSA, Data handling using Python and MySQL, AI search algorithms, Java OOPS, Java App dev, HTML, Tailwind CSS, JS, React, Django, Problem-Solving, Teamwork, Leadership, Time Management, Attention to detail.

PROJECTS

- **Dashboard Data Visualization** - Developed a **data visualization dashboard** using **React.js, Django REST Framework, Leaflet, and Chart.js** to process and display API-based data with interactive filtering. Utilized **Pandas and NumPy** for **data processing** and **Axios** for **frontend data fetching**. Gained experience as a **Full-Stack Developer and Data Analyst**. [LINK](#)
- **Ethical Explainable AI** - Built an **AI-based cybersecurity threat detection system** using **Python, SHAP, and NLP**; integrated **CVE/CAPEC datasets** with a **Logistic Regression model** and VirusTotal API for threat prediction, **SHAP-based explainability**, and mitigation suggestions. Gained experience in asynchronous programming, dataset enrichment, and real-time analysis. [LINK](#)
- **Health ChatBot | Swasthya** - Designed and developed an **AI-driven health chatbot** using **Kivy** for the **user interface** and Scikit-learn for **intent detection with TF-IDF and cosine similarity** and pandas and numpy for EDA. Integrated a JSON-based intent system with **adaptive centroid updating** for improved response accuracy. Enabled real-time interaction through a **responsive and user-friendly GUI**. [LINK](#)
- **Voice Cloning App** - Built a **Streamlit-based app** using **PyTorch and Coqui TTS** to clone voices from user audio and text input. Enabled **real-time control of pitch, speed, and emotion**, with audio processing **via Librosa and SoundFile**. [LINK](#)

CERTIFICATES

- Python Data Structures - University of Michigan
- Automate Cybersecurity Tasks with Python - Google
- Play It Safe: Manage Security Risks - Google
- Introduction to Python for Cybersecurity - Infosec
- Work Smarter with Microsoft Word - Microsoft

ACHIEVEMENTS

- DTC Hacks | IIIrd Position | CODE.OPT
- In Top 30 during IIIrd sem in GGSIPU