Sania Jain

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EDUCATION

VIT Bhopal University| *Bachelor of Technology in Computer Science*   Sept 2022 – Ongoing
- CGPA: 8/10
- Coursework: Operating System, Data Structures and Algorithms, Computer Networks, Object Oriented Programming, Discrete Mathematics, Database Management Systems, Machine Learning, Probability, AWS Cloud Practitioner

Sanskaar Valley School| *Higher Secondary Certificate*   March 2021 - July 2022
- Percentage 90.8%

EXPERIENCE

DRDO – Solid State Physics Laboratory (SSPL), Ministry of Defence, Govt. of India| *Intern*   May 2025 – Ongoing
- Developing an Employee Information System using .NET core using C# to integrate with the existing DRDO SSPL website, enhancing administrative efficiency by 40%
- Working on secure data handling, user role management, and responsive front-end interfaces through AngularJS.

Liznr| *ML intern*   Nov 2024 – Jan 2025
- Engineered machine learning models to enhance query understanding, boosting user satisfaction rates by 20% **(Python, Django)**.
- Integrated ML solutions with **React** interfaces using **prompt engineering** to enhance user interaction.
- Participated in daily Scrum demonstrations, collaborating with cross-functional teams to align development goals.

Printonia| *UI intern*   May 2024 – July 2024
- Streamlined prototype design for deployment, raising prototype efficiency by 20%.
- Developed and deployed a **Figma** prototype with smooth and creative interaction with UI and animations.

PUBLICATIONS

A hybrid CNN-SVM model optimized with PSO for accurate and non-invasive brain tumor classification   Feb 2025

Neural Computing and Applications (NCAA) NCAA-D-24-06563R1

PROJECTS

VITours – VIT Bhopal University campus virtual tour   JavaScript,HTML,CSS,Aframe
- Developed immersive VR experience using **JavaScript**, **HTML**, **CSS**, and **A-Frame**, increasing campus engagement by 25%.
- Integrated 360 degree navigation, reducing user interaction time by 20% while showcasing 15+ campus facilities.

EchoSend – voice-controlled email sending functionality   Python
- Implemented Python-based voice recognition and email automation (**SpeechRecognition, Gmail API, NLP**), reducing the time of manual email composition by 40%.
- Achieved 70% voice recognition accuracy through iterative model tuning and keyword optimization, enhancing user reliability.

AI-Powered Real-Time Pose Classification System   Python
- Developed a Flask-based web application using Python that classifies human poses in real-time with 85%+ accuracy, leveraging **OpenCV**, **MediaPipe**, and an ensemble ML model (**Random Forest, KNN, Decision Trees**).
- Optimized real-time processing with adaptive histogram equalization and landmark extraction, delivering seamless visual feedback through a Flask-based web interface for intuitive user interaction.

TECHNOLOGIES

Languages: Python,C++,C,HTML, JavaScript, CSS, JAVA, SQL, C#

Frameworks & Technologies: Django, Flask, PyTorch, Figma, AWS technologies, AngularJS, PowerBI, Agentic Framework

EXTRA CURRICULAR ACTIVITIES

- Awarded 2nd Runner-up at **IEEE Ideathon** and 1st Runner-up at **Notion community startup competition** for pitching FixNix, an on-demand phone repair platform featuring fixed-price guarantees and temporary replacement devices. (2024)
- As **Women Techmakers Lead** at GDSC VIT Bhopal: organized 3 tech events (100+ attendees each), published a Medium article on Agentic AI systems, and led development of a women's healthcare web app addressing gender-specific health challenges. (2025)

CERTIFICATIONS

- Neural Networks and Deep Learning