Sania Jain

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EDUCATION

VIT Bhopal University| *Bachelor of Technology in Computer Science* September 2022 – Present
- CGPA: 8.15/10

Sanskaar Valley School| *Higher Secondary Certificate* March 2021 - July 2022
- Percentage 12th | 90.8%
- Percentage 10th | 95%

TECHNOLOGIES

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

Frameworks & Technologies: Django, Flask, Figma, AWS technologies, AngularJS, JIRA

PROJECTS

EchoSend – voice-controlled email sending functionality | *ML* Python
- Devised a speech-enabled email sender in Python using `speech_recognition`, `pyttsx3`, and `smtplib`, automating end-to-end email composition and dispatch through microphone input and real-time text-to-speech prompts.
- Integrated secure Gmail SMTP login with TLS encryption and implemented contact matching via dictionary lookup, enabling accurate email delivery.

AI-Powered Real-Time Pose Classification System|*ML* 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.

VITours – VIT Bhopal University campus virtual tour | *Frontend* JavaScript, HTML, A-frame
- Tailored interactive VR experience using equirectangular images using A-Frame, increasing ease in campus navigation by 25%.
- Integrated 360 ° intuitive navigation through scene transition triggers, reducing user interaction time by 20% while showcasing 15+ campus facilities.

EXPERIENCE

DRDO – Solid State Physics Laboratory (SSPL), Ministry of Defence, Govt. of India| *Intern* May 2025 – June 2025
- Developed an Employee Information System using .NET Core and C# with RESTful API architecture and SQL database to integrate with the existing DRDO SSPL website.
- Implemented JWT token-based authentication, secure data handling, and user role management for over 300 employees and reduced manual processing time by 60% with responsive front-end interfaces through AngularJS front-end interfaces.

Liznr| *ML intern* November 2024 – January 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 and managed project workflows through **JIRA**, collaborating with cross-functional teams to align development goals.

EXTRA CURRICULAR ACTIVITIES & LEADERSHIP

- 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

- Machine learning with python | *IBM (Coursera)*.
- Neural Networks and Deep Learning | *DeepLearning.AI (Coursera)*