

Poorva Ahuja

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EDUCATION

- **Indira Gandhi Delhi Technical University for Women** Delhi, India
Bachelor of Technology - Information Technology; GPA: 9.08 2022 - 2026
- **CENTRAL BOARD OF SECONDARY EDUCATION**
Kendriya Vidyalaya
Class XII; Percentage: 95% (2021-2022)
Class X; Percentage: 94.4% (2019-2020)

PROJECTS

- **Human Pose Estimation using MoveNet Preprocessor and Deep Learning Technique (Computer Vision, Deep Learning, Machine Learning):** A team project that detects and analyzes the human body's pose from images. Used simple ANN classification model for pose classification and implemented the model using Movenet preprocessor.
Tech: Python, Tensorflow, Keras & OpenCV. (2023)
Github: [Human Pose Estimation](#)
- **Eco Savvy:** : A Hackathon Team Project, the Web Portal that offers transformative experience, scanning the waste and classifying it, getting eco-education in VR room, playing waste sorting game and also supports chatbot. Scanning and classifying the waste is being done using machine learning, and the model is hosted using Streamlit and Ngrok.
Tech:
Scan the waste: Python, TensorFlow, Keras, Numpy, Matplotlib, Streamlit, Flask
VR Room: HTML, A-Frame
Waste Sorting Game: HTML, CSS, JavaScript
Site link: [Eco Savvy](#)
Github: [Scan the waste](#)
- **Breast Cancer Detection (Deep Learning):** The model detects the type of tumor(Benign or Malignant) present using various parameters. Built a simple neural network.
Tech: Python, Neural Networks, TensorFlow, Keras & Numpy. (2023)
Github: [Breast Cancer Detection](#)

PUBLICATIONS

- **Research Paper: Yoga Pose Estimation Using MoveNet Preprocessor and Deep Learning Technique (Computer Vision, Deep Learning):** We addressed the use of the MoveNet model for yoga pose estimation through keypoint extraction from images. The research extends the application of deep learning in fitness technology, potentially benefiting virtual training and physical well-being initiatives. **Presented at Fifth International Conference on Computing, Communication and Cyber Security (IC4505), 2024**
Link: [Springer](#)

ACHIEVEMENTS

- **Winner in WIEgnite Hackathon:** Built a Web portal that addresses the needs of individuals to guide them and gamify the waste sorting technique. [🔗](#)
- **Finalist in Devcation'24:** Deployed a machine learning model that helps scan the image of waste and classify it, whether it belongs to the organic or recyclable category. [🔗](#)
- **Certificate of Merit:** : Awarded Rs. 10,000 cash prize for being one of the top rankers among KVS students in 12th Board Exams conducted by CBSE(2022)

SKILLS SUMMARY

- **Languages:** Python, JAVA, HTML, CSS, JavaScript(Basics)
- **Frameworks:** TensorFlow, Keras, Streamlit, Flask
- **Tools:** GIT, MySQL, Canva, Figma
- **Soft Skills:** Communication, Decision-Making, Creativity, Event Management, Adaptability

POSITIONS OF RESPONSIBILITY

- **Mentor,** Protege CodeSolstice, IGDTUW
- **Junior Execom,** Event Management Team, IEEE, IGDTUW
- **Developer (Meridian),** Celestial Biscuit, IGDTUW
- **Coordinator,** Creative Team, Taarangana(Annual Cultural Fest Society), IGDTUW

CERTIFICATIONS

- **Certification of Completion: Computer Vision and Deep Learning (Summer Internship) - August, 2023** [🔗](#):
Center of Excellence - AI and Anveshan Foundation, IGDTUW
- **Certificate of Achievement: Gen AI Study Jam, 2024** [🔗](#): Google Developer Student Clubs, IGDTUW
- **Certification of Completion: Developing Soft Skills and Personality - October, 2023** [🔗](#): NPTEL