Advika Thakur

✉ Email　　　　　　　📱 Phone　　　　　　　in LinkedIn　　　　　　　⚬ GitHub

EDUCATION

Indira Gandhi Delhi Technical University For Women (IGDTUW)　　　　2022 - 2026 (Expected)
B.Tech in Artificial Intelligence and Machine Learning, IT Department
CGPA: 8.05

TECHNICAL SKILLS

Programming Languages: C++, Python
Libraries/Frameworks: Pandas, NumPy, Seaborn, Scikit-Learn, PyTorch, TensorFlow, Keras, Matplotlib, OpenCV, Langchain
Tools/Environments: GPU Workstation for ML (Nvidia DGX A100), CUDA, Jupyter Notebooks, Git, GitHub, Streamlit
Databases: MySQL

WORK EXPERIENCE

Research Intern, Medical Imaging and Signal Analysis Hub　　　　June 2023 - Feb 2024
- **Creation of CE-AnomalyNet Dataset** - Developed the largest capsule endoscopy detection dataset.
- **Decoding Gastrointestinal Health** - Contributed to the AI-Powered Imaging Analysis project. Demonstrated expertise in medical image analysis.

ML Research Intern, ECE Department IGDTUW　　　　April 2023 - June 2023
- **Capsule Endoscopy Abnormality Localisation** - Employed Yolo algorithm for abnormality detection.

PROJECTS

- **Daisy:** Automated Data Analysis Tool
  Developed an automated data analysis tool leveraging Langchain, Streamlit, Python, Pandas, and Scikit-learn.

- **CustomerInsight360:** MLOps Project
  Developed CustomerInsight360, focusing on pipeline creation, data analysis, visualisations and customer satisfaction analysis. Technologies included Pandas, MLflow, ZenML, Python, and Streamlit.

- **Lip-Reading App:**
  Engineered a Lip-Reading app using the LipNet architecture and Python with Streamlit.

ACHIEVEMENTS

- AWS AIML Scholar '23
  'BlossomClassifier',Developed an image classifier with PyTorch using pre-trained MobileNetV2 ,resnet18 and CNN.⚬
- 'Nirodhah', an AI-based stress management tool at Devcation Hackathon **(Top 5 teams)**. 🌐
- 'Illuminate', a UI for a college doubts resolution platform at Pollux Hackathon **(Top 10 teams)**. 🌐.

LEADERSHIP AND RESPONSIBILITIES

- **Google Developer Students Club:** ML Mentor
  Leaded as an ML Mentor, guiding and mentoring over **100** students in machine learning.
- **LeanIn IGDTUW:** ML Mentor
  Demonstrated leadership in fostering growth and development in machine learning.
- **MISAHUB (Medical Imaging and Signal Analysis Hub):**
  – Contributed as a member of the organizing team of **AutoWCEBLEEDGEN Challenge** in collaboration with **CVIP 2023** at **IIT Jammu**, attracting participation from over 300 individuals.
  – Among the organising team of textbfAuto PCOS Classification Challenge, a deep learning computer vision-based hackathon in collaboration with **IEEE WIE IGDTUW**.
  – Played a key role in organizing **Auto-WCEBleedGen Challenge Version V2**, in collaboration with the **IEEE International Conference on Image Processing (IEEE ICIP)**, **Abu Dhabi, UAE**.
- **Desh ke Mentors ('Mentors of the Nation') - Dec 2022 to Apr 2023:**
  – Mentored and guided to 6 economically disadvantaged girls, fostering their pursuit of education.
- **IGDTUW Model United Nations (MUN) - G20 Committee:**
  – Actively participated in the IGDTUW MUN, specifically serving in the G20 Committee,contributing to the successful formulation of a resolution.