Ayushi Dixit

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EDUCATION

Institute of Engineering and Technology Lucknow

Masters in Computer Applications: 8.26(till 2nd sem) *November 22 – Present*

EXPERIENCE

Research Intern | *Institute of Engineering and Technology* January 2024 – Present

- Gain a comprehensive understanding of generative AI techniques, emphasizing their application in generating synthetic data while preserving privacy
- Developing and fine-tuning generative models that can create synthetic data while incorporating privacy-preserving mechanisms, such as adding noise or ensuring data anonymization.

Front-End Development Intern | *IBM* June 2023- July 2023

- Considering factors such as performance, scalability, and ease of use to build an efficient and responsive App.
- Implemented the app's user interface using HTML and CSS basics, ensuring a seamless and intuitive user experience by focusing on navigation, visual elements and overall interactivity.

PROJECTS

Vehicle Accident Detection | *labelImg,YoloV3,Google Colab, OpenCV* December 2023 – Present

- Developed a system which can detect car accidents from image and videos in Convolutional Neural Network by using YOLOV3 Algorithm.
- The classes for accident used were- fire, flipping and collsion of the vehicle
- It provided instant help to the crash site by raising an alarm to the concerned authority.

EVONATE | *PHP, MySQL,HTML JS,Bootstrap* December 2020 - May 2021

- Architected an Online Donation System with PHP for backend, HTML and Bootstrap for structuring frontend.
- Conceptualized location-based shortlisting, so senders and receivers can categorize each other through.
- Engineered an autonomated and emailed-based escrow system for secure transactions.
- Deployed an administration-based censorship dashboard to prevent malicious transaction activities

Hospital Management System | *C-Sharp,SQL-Server* November 2020-December 2020

- Developed a Desktop Application using C-Sharp for backend and MS-Access for Database
- Reorganized and macro-managed amenities using information routing techniques.
- Implemented a Windows form to store information about entities such as doctors, nurses, patients, etc.
- Streamlined dummy data of over 50 patients, doctors, and support staff to analyze the working of the model.

ACHIEVEMENTS

- Upsolved More than 300 questions on varoius Coding Platforms.
- Finalist at Techgig Geek Goddess Compettion
- Successfully Completed AWS Cloud Essentials Learning Plan
- Actively participating in numerous coding contests on Leetcode and Codeforces.

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL (Postgres), HTML/CSS
Frameworks: .NET
Developer Tools: Git, Github, VS Code, Visual Studio, IntelliJ, Eclipse, Linux
Libraries: Pandas, NumPy, Matplotlib