Ayushi Dixit

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SUMMARY

Proactive problem-solver adept in computer science principles, including OOPs, Operating systems, Database Management and Computer Networks. Skilled in various technologies and frameworks, ready to spearhead innovative solutions and drive success across dynamic professional landscapes.

EDUCATION

Institute of Engineering and Technology — Lucknow
Masters in Computer Applications: 8.29(till 3rd sem) — *November 22 – Present*

EXPERIENCE

Research Intern | *Institute of Engineering and Technology* — March 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
- In the top 2 percentile in the prestigious BNY Mellon Coding Divas Competition

TECHNICAL SKILLS

Languages: Java, Python, C-sharp, C++ MySQL, HTML/CSS
Frameworks: .NET , Spring Boot, Maven
Developer Tools: Git, Github, VS Code, Visual Studio, IntelliJ, Eclipse, Linux
Libraries: Pandas, NumPy, Matplotlib