Abhimanyu Yadav

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Summary

Results-oriented experienced Analytics Associate, currently a Systems Engineering & Management student at UTD. Proficient in Python, SQL, Power BI & Machine Learning with hands-on experience in DL & data-driven problem-solving. Eager to apply analytical & technical expertise as a Summer Intern

Technical Skills

- **Programming Languages:** Python, SQL, C, C++
- **Data Analysis / ETL:** Power BI, Tableau, MS Excel, Data Modeling, Data Mining, Data Extraction
- **Certifications:**
  - NPTEL Natural Language Processing, IIT Kharagpur
  - SQL Basics, HackerRank
  - Basics of Machine Learning and Hands-on in Python, IEEE SRMIST
  - Cognitive Computing Workshop with IBM Cloud
  - Problem Solving, HackerRank

Work Experience

Decision Analytics Associate, *ZS Associates (Pharmaceutical Consulting)* Oct 2023 - Jul 2024

- Made an impact in lives of **1M+ people at the risk of HIV** by working on salesforce targeting and segmentation strategy and execution for a **Fortune 500 pharmaceutical company**
- Analyzed physician & account level datasets of the US market using **Advanced Excel, Python** and **SQL**
- Executed an injectable HIV drug plan while optimizing revenue and achieving breadth & depth goals

Marketing Intern, *UnSchool* Mar 2021 - Apr 2021

- Boosted Instagram impressions (**270%**) & Linkedin followers (**110%**) by revamping marketing strategies
- Executed targeted campaigns to drive engagement and expand UnSchool's reach across social media .

Academic Projects

Tomato Leaf Disease Detection using CNN and VGG19 Jan 2023 - May 2023

- Designed & implemented a VGG19-based deep learning model to detect **9** major tomato leaf diseases
- Utilized Python and Streamlit to **train and fine-tune** Convolutional Neural Network (CNN) models for agricultural disease detection & real-time monitoring, **leveraging big data** for enhanced accuracy
- Presented & **published the research paper** at International Conference on Internet of Things **(ICIOT)**

Real Time Apple Leaf Disease Detection Duration Jul 2022 - Nov 2022

- Developed a **deep learning model** using VGG16, InceptionV3 & Xception to classify apple leaf diseases
- Applied transfer learning with **VGG19**, hyperparameter tuning and **ML** for effective disease detection

Stellar Motion Analysis Dec 2022 - Jul 2023

- Analyzed & automated **monitoring of stellar motion** using astronomical coordinates and motion vector analysis, enabling efficient tracking of star movements over time by **training the model on big data**
- Utilized tools like **Celestia, Python, ADAVS & Astrometry.net** for data collection, simulation & QCs

Education

Master of Science, *Systems Engineering and Engineering Management* Aug 2024 – Present
The University of Texas at Dallas Texas, USA

- Received **Jonsson School Dean's Graduate Scholarship** - **USD 5000+** in state tuition

Bachelor of Technology, *Computer Science Engineering* Jul 2019 - May 2023
SRM Institute of Science and Technology (**GPA: 8.7/10**) Chennai, India

- **Committee Head**, *Aaruush*
  - Organized and facilitated **10+** workshops attended by **500+** participants, featuring industry experts
  - Increased workshop attendance by **30%** through efficient marketing efforts & ticket management