Abhimanyu Yadav

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Summary

Results-driven Analytics Associate with expertise in Data Analysis, Visualization, and Machine Learning. Proficient in Python, SQL, Power BI, and Tableau. Pursuing an MS in Systems Engineering at UTD, seeking a Summer Internship to apply analytical expertise to business challenges.

Technical Skills

- **Programming Languages:** Python, SQL, C, C++
- **Data Analysis & Visualization:** Power BI, Tableau, MS Excel
- **ETL Tools & Techniques:** 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
- Improved healthcare outcomes for 1M+ individuals through Salesforce targeting for a Fortune 500 pharmaceutical company.
- Analyzed physician and account datasets with Excel, Python, and SQL, delivering actionable insights.
- Executed an HIV drug plan, meeting key metrics for revenue growth and market reach.

Data Analyst Intern, *DARJUV9*   Aug 2021 - Feb 2022
- Analyzed sales data to refine strategies for premium organic products using advanced analytics tools.
- Provided actionable insights that improved decision-making and accelerated business growth.

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)**

Sales Insight and Analysis   Sept 2024 - Dec 2024
- Extracted **actionable insights** from sales data to help businesses make informed decisions.
- Analysed trends, customer behavior, and performance metrics using Power BI and Python

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 in *Systems Engineering and Management*   Aug 2024 – Present
The University of Texas at Dallas (**GPA: 3.78/4**)   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: 3.8/4**)   Chennai, India
- **Committee Head**, *Aaruush*
  - Organized 10+ workshops with 500+ participants, achieving a 30% increase in attendance.