

# 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

**Data Analyst Intern, DARJUV9** Dec 2020 - Apr 2021

- Analyzed sales data to optimize strategies for premium organic products.
- Delivered actionable insights to enhance decision-making and drive 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, Systems Engineering and Engineering Management** Aug 2024 – Present  
The University of Texas at Dallas (**GPA: 3.8/4**) 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 and facilitated **10+** workshops attended by **500+** participants, featuring industry experts
  - Increased workshop attendance by **30%** through efficient marketing efforts & ticket management