

Abhimanyu Yadav

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EDUCATION

The University of Texas at Dallas, Richardson, TX

Expected May 2026

Master of Science, Systems Engineering and Management

- Coursework: Database for Business Analytics, Statistics & Data Analytics, Project Management, Corporate Entrepreneurial Experience (Working with AT&T on Energy & Smart Infrastructure Buildings), Requirements Development and Integration

SRM Institute of Science and Technology, India

May 2023

Bachelor of Engineering, Computer Science Engineering

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL, C, PHP

Business & Analytical Skills: Process Analysis, Requirement Gathering, Data-Driven Decision Making

Data Analysis & Visualization: Power BI, Microsoft Excel, Tableau

ETL & Data Processing: Data Cleaning, Data Modeling, Data Mining, Data Extraction

Business Analytics Strategy: Business Intelligence, Process Improvement, KPIs, Data Governance

PROFESSIONAL EXPERIENCE

ZS Associates, India

October 2023 – July 2024

Decision Analytics Associate

- Improved healthcare outcomes for 1M+ individuals through Salesforce targeting for a Fortune 500 pharmaceutical company.
- Analyzed over 200,000 entries in physician and account datasets using Excel, Python, and SQL; generated actionable insights that contributed to strategic planning for enhancing healthcare services.
- Designed and implemented an HIV drug plan, achieving key revenue and market expansion metrics while optimizing resource allocation.

Darjuv9, India

August 2021 – February 2022

Data Analyst Intern

- Conducted in-depth analysis of over 1,200 sales transactions for organic products, leveraging advanced analytics tools to identify key trends and refine marketing strategies that directly increased product visibility.
- Transformed raw data into meaningful narratives through detailed analytics reports; empowered management with actionable recommendations that streamlined operations and contributed to an increase of 15% in monthly revenue.

PERSONAL PROJECTS

OuraMetrics: Time-Series Health Data Analysis

January 2025 – Present

- Analyzed time-series biometric data from Oura Ring to test health-related hypotheses on stress, HRV, sleep quality, and physical activity using Python and pandas.
- Built predictive models with XGBoost and performed statistical hypothesis testing to identify significant behavioral patterns across weekdays and weekends
- Processed and analyzed raw JSON datasets collected directly from Oura Ring devices; performed data wrangling, feature engineering, and visualized key trends using Matplotlib and Seaborn.

Tomato Leaf Disease Detection using CNN and VGG19

January 2023 – May 2023

- Implemented a deep learning model leveraging VGG19 architecture to classify nine major tomato leaf diseases with high accuracy.
- Developed and optimized Convolutional Neural Network (CNN) models using Python and Streamlit, achieving real-time monitoring capabilities for agricultural disease detection across nine major tomato leaf diseases with improved accuracy metrics.
- Presented innovative disease detection solutions utilizing VGG19 architecture in a well-received research publication showcased at ICIOT; fostered meaningful dialogue with over 50 attendees regarding real-world application

CERTIFICATIONS

- Google Data Analytics Professional Certificate, Google
- NPTEL Natural Language Processing, IIT Kharagpur
- Building Web Applications in PHP, University of Michigan
- Cognitive Computing Workshop with IBM Cloud