Abhidith's Professional Experience

1. Tambellini Group (now part of MGT)

Role: Data Analyst
Location: USA – Remote
Duration: September 2023 – Present

- Abhidith developed and maintained Tableau dashboards, enhancing data visibility for stakeholders and driving a 20% increase in data-driven decision-making.
- He built predictive models using statistical methods and machine learning algorithms to identify key factors influencing product performance, leading to targeted strategies that improved metrics by 15%.
- Abhidith collaborated with higher education institution clients to understand their unique data needs, providing tailored analytical solutions that improved decision-making processes by 25%.
- He guided clients in executing data-intensive projects, ensuring effective utilization of analytical tools and resources, resulting in a 30% increase in project efficiency.
- Abhidith supported research initiatives by leveraging data analytics to uncover trends in higher education technology adoption and enhanced data quality and reporting accuracy by implementing best practices in data management and integration.
- He developed and implemented Python-based web scrapers to search for tech stacks used by universities, streamlining the manual search process in the research team by 60%.
- Abhidith automated scorecard generation in Excel using VBA, cutting manual reporting time by 40% and enabling faster decision-making.
- He streamlined data workflows in QuickBase, automating data integration and ensuring consistent, real-time reporting across multiple projects.
- Abhidith designed interactive dashboards for clients to monitor key performance indicators (KPIs) and business drivers, ensuring alignment with their organizational strategies.

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2. Sunergi

Role: Data Analyst Intern
Location: USA – Remote
Duration: May 2023 – July 2023

- Abhidith mapped 2,000 solar panels in less than two months, assisting in data collection and analysis for Sunergi's interactive map of solar panels in the United States.
- He contributed to the development of an interactive map using Tableau, integrating collected data and implementing user-friendly features for efficient solar panel system installations.

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3. CrossTower

Role: Data Analyst Intern
Location: New Jersey, NJ
Duration: November 2022 – May 2023

- Abhidith analyzed and interpreted large volumes of transactional, operational, and customer data using SQL, Python, and Tableau.
- He built comprehensive dashboards of customer behavior (trade, volume, fee) across the trading platform.
- Abhidith translated complex findings into simple visualizations and recommendations for execution by operational teams and executives.

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4. Apptio

Role: Database Specialist
Location: Bengaluru, India
Duration: August 2021 – August 2022

- Abhidith led various data cleaning tasks, market research activities, and assisted internal teams with their data requirements.
- He improved overall visibility and team efficiency by creating visually appealing dashboards and automating business processes using SQL, Tableau, and VBA.
- Abhidith refined the company’s lead and CRM data pipeline using Google Sheets and Zoom Info tools, increasing the lead lifecycle for the Business Development team by 70%.
- He extracted valuable data from Metabase using SQL per data requests from Marketing & Sales teams, increasing the efficiency of data retrieval by 75%.

- Abhidith developed a new web scraper framework to crawl through 8,000 company URLs and scrape relevant email addresses using Python, resulting in an 86% increase in efficiency and reducing workload by more than 100%.

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5. G2

Role: Data Operations Specialist
Location: Bengaluru, India
Duration: August 2019 – July 2021

- Abhidith collected and organized edits for each quarterly report release, conducted annual and quarterly data sweeps, and managed weekly product moves.
- He built reports and dashboards, managed multiple stakeholder engagements, and worked on Salesforce integration.
- Abhidith facilitated and tracked project progress, including schedule, resources, communication, and risks, reporting and escalating to management as needed.
- He led the customer onboarding process, collaborating with cross-functional teams to ensure seamless integration of new clients into the platform.
- Abhidith conducted training sessions and provided ongoing support to clients, resulting in increased customer satisfaction and retention rates.
- He presented valuable insights from authentic G2 user reviews leveraging SQL and built dashboards on Domo to display and compare historical data with up-to-date budgets, forecasts, and targets for the Marketing & Sales team.
- Abhidith defined QA and performance checks, enhancing the accuracy of Stack's product-company graph, and formulated regex patterns to identify hundreds of new products tracked via the G2 Stack crawler.

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6. Molecular Connections

Role: Data Analyst Intern
Location: Bengaluru, India
Duration: January 2019 – July 2019

- Abhidith worked on a project titled “Developing a ML Module for Establishing Drug-ADR Relation from Scientific Literature Using Text Mining.”
- He obtained data related to ADE (Adverse Drug Event) + Drug + Symptom combinations from online journal articles.

- Abhidith created a database mapping these ADE + Drug + Symptom combinations.
- He devised an algorithm to map Adverse Drug Events to the drugs causing these events.

Abhidith's Education

1. Fordham University, Gabelli School of Business

Degree: Master of Science, Business Analytics
Location: New York, NY
Duration: August 2022 – December 2023

- **Web Analytics:** Abhidith used Google Analytics and web tracking tools to analyze user behavior and conversion funnels. He evaluated digital marketing performance and optimized website engagement.
- **Database Management Systems (DBMS):** He designed and implemented relational databases using SQL, managing large datasets while ensuring data integrity and security.
- **Programming with Python:** Abhidith built data analysis pipelines and automation scripts using pandas, NumPy, and matplotlib for data manipulation and visualization. He developed machine learning models for predictive analytics.
- **Data Mining:** He applied clustering, classification, and association rule mining algorithms to extract patterns from large datasets, conducting real-world business insight projects.
- **Big Data Analytics:** Abhidith worked with Hadoop and Spark for distributed data processing, analyzing massive datasets to solve complex business problems and support decision-making.

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2. RV College of Engineering

Degree: Bachelor of Engineering, Biotechnology
Location: Bengaluru, India
Duration: August 2015 – May 2019

- Abhidith specialized in **bioinformatics and healthcare analytics**, focusing on computational analysis of biological and clinical data for research and healthcare applications.
- He completed core courses in molecular biology, genetic engineering, and pharmaceutical biotechnology, with an emphasis on health and pharmaceutical domains.
- Abhidith gained hands-on experience through laboratory work, bioinformatics software, and major/minor projects addressing real-world challenges in healthcare and life sciences.
- He enhanced professional and communication skills via interdisciplinary electives and professional development programs, preparing for roles in research, healthcare, and industry.

Abhidith's Academic Projects

1. Flight Status Prediction Using Machine Learning Models

Tools/Technologies: Python (pandas, scikit-learn, NumPy, Jupyter Notebook, Matplotlib, Seaborn)
Summary:

- Abhidith analyzed a dataset of 4 million flight records from 2022 to classify flights as on-time, delayed, or canceled.
- He benchmarked four machine learning models: Random Forest (92% accuracy), Decision Trees (88%), Neural Networks (27%), and Multinomial Naive Bayes (58%).
- Abhidith uncovered operational insights, finding that American and Southwest Airlines had the most cancellations and that model performance was affected by data size and class imbalance.
- He recommended infrastructure improvements, such as cloud-based scaling and historical data integration, for better trend analysis and prediction accuracy.

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2. Exploring the Association between ICT and Quality of Life: An Empirical Study

Tools/Technologies: R (tidyverse, ggplot2), Excel, Tableau, GIS mapping tools

Summary:

- Abhidith investigated the impact of Information and Communication Technology (ICT) on socioeconomic indicators such as income, employment, and life expectancy across European regions.
- He found positive correlations between ICT employment, broadband coverage, and higher incomes/life expectancy, particularly in Western Europe.
- Abhidith analyzed digital divides, noting disparities in broadband access and education/training participation, and suggested targeted investments in digital infrastructure and education.
- He explored environmental impacts, finding mixed results on the relationship between ICT growth, high-tech trade, and sustainability, and highlighted the need for balanced development policies.

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3. Stellar Classification Using Machine Learning: Classifying Stars, Galaxies, and Quasars

Tools/Technologies: Python (Random Forest, Decision Tree, Neural Network), Kaggle & SDSS dataset

Summary:

- Abhidith developed machine learning models to classify astronomical objects as stars, galaxies, or quasars using spectral data.
- He worked with a clean dataset of 100,000 observations and 9 key features (e.g., right ascension, declination, photometric filters, redshift).
- Abhidith identified redshift as the most important feature for accurate classification.
- He achieved high accuracy with multiple models: Decision Tree (97.54%), Neural Network (96.35%), and Random Forest (97.59%).
- Testing Random Forest without redshift led to a drop in accuracy (86.69%), confirming redshift's importance.
- Abhidith validated results with multiple train-test splits (60/40, 70/30, 80/20) and a sanity test.
- He recommended further feature engineering, applying models to new data releases, and deeper analysis of redshift.