DIVYANSHU MISHRA

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Summary

Analytical and results-driven Information Technology and Management graduate student at UTD, with proven expertise in analytics and project management. Proficient in data analysis, statistical modeling, and business intelligence, with a solid foundation in database management, reporting, and process optimization.

Education

Master of Science, Information Technology and Management   Expected May 2026
The University of Texas at Dallas | GPA: 3.89
- Relevant Coursework: Database Management Systems, Advanced Statistics for Data Science, Big Data, Data Visualization, Object Oriented Programming in Python.

Bachelor of Technology, Electronics and Communication Engineering   June 2020
Technocrats Institute of Technology, Bhopal, India | GPA: 3.3
- Relevant Coursework: Computer Programming in C++, Data Structures and Algorithms, Probability and Statistics, Database Management, Control Systems, Advanced Digital Signal Processing, Power Systems

Technical Skills

- **Programming Languages:** Python(Pandas, NumPy, Matplotlib, Seaborn), R, Java, C++, SQL, NoSQL
- **Database Management:** MS-SQL, MySQL, PostgreSQL, MongoDB, Oracle
- **Data Analysis / ETL:** Data Extraction, Data Transformation, Data Loading, Data Cleaning, Data Governance, A/B Testing, Predictive Analytics, Prescriptive Analytics, Descriptive Analytics, Data Warehousing, Data Quality Assurance.
- **Tools/Technologies:** Big Data (Hadoop, Spark)**,** Cloud Computing, Microsoft Office(Excel, Word, PowerPoint), GitHub, Tableau, Splunk, Grafana, Microsoft SQL Server, Microsoft Visio, Microsoft Power BI, Jira, Confluence, Google Analytics.

Professional Experience

Associate Analyst, *Tata Consultancy Services*   March 2021 – July 2024
- **Leadership and Team Management**: Led a team of 10+ IT professionals in optimizing core banking systems, including Swish Mobile banking app in Europe.
- **Dashboard Design and Analytics:** Designed dashboards using Power BI, Tableau, and Splunk, delivering real-time insights that reduced system issue resolution time by 23% and enhanced overall system performance monitoring by 30%.
- Reduced manual errors by 10% through automation of dashboards for **Key performance indicators** (KPIs).
- **Stakeholder Engagement & Implementation:** Collaborated with stakeholders to define objectives and deliver insights aligned with strategic goals, driving a 15% increase in client satisfaction and a 10% improvement in delivery timelines.

Systems Analyst Intern, *Shree Adisoft Technology*   July 2020 – Feb 2021
- Developed complex SQL queries and conducted trend analysis, reducing query time by 15% through process improvement.
- Created and implemented robust relational database schemas to support scalability for over 1 million records and ensuring 100% data integrity, facilitating seamless data management across cross-functional teams.

Certifications

- Google Data Analytics Professional Certification by Google: View Certificate
- Data Analysis with R Programming by Google: View Certificate

Projects

COVID-19 Global Vaccine Tracker | Python, Tableau, Excel | Live Dashboard | GitHub
- Developed a COVID-19 Vaccine Tracker Dashboard in Tableau, analyzing vaccination data from 200+ countries to identify trends, regional disparities, and GDP correlations.
- Extracted, transformed, and validated 500,000+ records from the Kaggle dataset using Python (Pandas) and Excel, ensuring accurate and actionable visualizations.
- Created 6+ interactive visualizations, including maps, bar charts, and scatter plots, with dynamic filters for time periods, continents, and countries.

YouTube Channel Performance Dashboard | SQL, Tableau , Excel | Live Dashboard | GitHub
- Designed a YouTube Channel Performance Dashboard in Tableau Public, analyzing data from 100+ videos to enhance content strategy and engagement.
- Cleaned, validated, and categorized 100,000+ entries from a CSV file using Python (Pandas) with ETL techniques, deriving key metrics such as views, likes, and comments.
- Developed over 25 interactive visualizations, highlighting KPIs, performance trends, and correlation analyses, with detailed tooltips that improved decision-making efficiency by 15%.