

# Divyanshu Mishra

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## Summary

Analytical and results-oriented Information Technology and Management graduate student at UTD, specializing in data analysis, statistical modeling, and business intelligence to uncover actionable insights. Skilled in data cleaning, data visualization, and exploratory data analysis, using tools like Excel, SQL, Python, R, Tableau, and Power BI to drive data-driven decision-making. Proficient in transforming raw data into meaningful metrics and trends to support strategic business objectives. Strong foundation in database management, data wrangling, and report generation, with a keen eye for identifying patterns and optimizing processes.

## 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:** Power BI, DAX, Tableau, MS Excel, Data Modeling, Data Mining, Data Extraction, Data Transformation, Data Loading, Data Cleaning
- **Tools/Technologies:** Big Data (Hadoop, Spark), Cloud Computing, Machine Learning (scikit-learn, TensorFlow, PyTorch), GitHub, Tableau, Splunk, Grafana, Microsoft SQL Server, Microsoft Visio, Microsoft Power BI, Jira

## Professional Experience

### System Engineer, Tata Consultancy Services

March 2021 – July 2024 | Bengaluru, India

- **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 and analyzed dashboards using Power BI, Tableau and Splunk to provide real-time insights, enabling faster issue resolution and improving overall system performance.
- **Operational Efficiency through Analytics:** Streamlined incident management using data, reducing downtime by 15% and boosting resolution speed by 20% through automation and data-backed best practices.
- **Stakeholder Engagement & Implementation:** Collaborated with stakeholders to define objectives and deliver insights, aligning analytics with strategic goals to meet client needs effectively.

### DBMS Intern, Shree Adisoft Technology

July 2020 – Feb 2021 | New Delhi, India

- Executed complex SQL queries and conducted trend analysis, reducing query time by 20% through process improvement
- Designed relational database schemas for scalability, aligning with use cases and business process modeling (BPMN) to support agile methodologies.
- Delivered stakeholder presentations on scenario analysis, ROI analysis and data visualization, ensuring alignment with requirements gathering objectives.

## Education

**Master of Science**, Information Technology and Management  
The University of Texas at Dallas

August 2024 – Present | Texas, USA  
GPA: 3.89

**Bachelor of Technology**, Electronics and Communication Engineering  
Technocrats Institute of Technology, Bhopal, India

Aug 2016 – June 2020 | Bhopal, India  
GPA: 3.3

## Projects

### COVID-19 Global Vaccine Tracker | Tableau, SQL, Excel | [Live Dashboard](#) | [GitHub](#)

- Designed a Tableau dashboard using Kaggle data to analyse vaccination trends, highlight disparities, and correlate rates with GDP per capita. Included dynamic filters for time periods, continents, and countries to provide insights.

### Sales and Revenue Analytics Dashboard| Power BI, SQL, DAX | [GitHub](#)

- Designed a Power BI dashboard to analyze sales, revenue trends, and customer behavior. Used SQL for data cleaning and multi-currency conversion into INR. Created visualizations for revenue, top products, and market performance with dynamic filters. Suggested strategies to boost revenue and target underperforming markets.

### YouTube Channel Performance Dashboard | Tableau, SQL, Excel | [Live Dashboard](#) | [GitHub](#)

- Designed a Tableau dashboard by integrating data from Excel/CSV and SQL to analyze YouTube channel performance, visualize key KPIs, and provide recommendations to optimize video strategy and boost engagement.