

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, 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

- Designed interactive Tableau dashboard to analyze global vaccination trends and disparities using Kaggle data.
- Created global maps, bar charts, and scatter plots to highlight vaccination rates, regional disparities, and the correlation with GDP per capita.
- Enabled dynamic filtering for time periods, continents, and countries to facilitate actionable insights.

Comprehensive Sales and Revenue Analytics Dashboard

- Designed an interactive Power BI dashboard to analyze sales, revenue trends, and customer behavior.
- Streamlined ETL processes using Power Query to clean and validate sales data, incorporating multi-currency conversions into INR for unified financial reporting.
- Designed visualizations such as revenue trends, top customers/products, and market performance with dynamic filters for time periods and regions.
- Provided recommendations to optimize revenue, boost retention, and target underperforming markets.