

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. Eager to leverage analytical skills and technical expertise to contribute as a Data Analyst Intern. Available for Summer 2025 internship opportunities.

Technical Skills

- **Programming Languages:** Python, Java, C++, SQL, NoSQL
- **Databases:** MS-SQL, MySQL, PostgreSQL, MongoDB, Oracle
- **Data Analysis / ETL:** Power BI, Tableau, MS Excel, Data Modeling, Data Mining, Data Extraction
- **Tools:** Microsoft Office Suite, GitHub, Helix, Splunk, Grafana, Microsoft SQL Server, DB Visualizer, Microsoft Visio, Microsoft Project, Jira, Confluence and Postman.

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.
- **Monitoring and Analytics Tools:** Utilized Tools such as Splunk and Grafana to monitor system performance in real-time, enabling faster response to issues and in-depth analysis to improve overall system health.
- **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 optimized database performance by streamlining query execution and enhancing data retrieval efficiency, reducing query time by 20%.
- Designed and implemented robust relational database schemas to support scalability and data integrity, facilitating seamless data management across cross-functional teams
- Spearheaded data migration, backup, and recovery strategies, ensuring zero data loss and maintaining system uptime during critical upgrades and migrations.

Education

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

August 2024 – Present | Texas, USA

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

Aug 2016 – June 2020 | Bhopal, India

Projects

Database Optimization for Student Record Management

- Analysed existing database structure and optimized queries to improve performance for a university's student record system.
- Implemented indexing, normalization, and schema adjustments, enhancing data retrieval speed and efficiency.
- Reduced query processing time by 40%, significantly improving accessibility and system responsiveness.

Data Analytics Dashboard for University Resource Management

- Collected and integrated data on resource usage (classrooms, labs, equipment) across departments to assess resource allocation.
- Designed ETL processes for data cleaning and centralization, ensuring data accuracy.
- Developed an interactive dashboard in Tableau/Power BI, providing insights on resource utilization and identifying optimization opportunities.