

# Smriti Sunil

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## EDUCATION

<b>The University of Texas at Dallas, Richardson, Texas</b>	<b>May 2026</b>
<i>Master of Science, Computer Science - Specializing in Data Science</i>	<b>GPA 3.83</b>
• Relevant Coursework: Data Structures and Algorithms, Database Design, Big Data Management & Analytics, Machine Learning	
<b>University of Mumbai, India</b>	<b>May 2024</b>
<i>Bachelor of Engineering, Computer Engineering - Honors in Data Science</i>	<b>GPA 3.87</b>

## TECHNICAL SKILLS

**Data Manipulation and Big Data Analysis:** Python (Pandas, NumPy), R, Scikit-learn, Apache Spark, Hadoop  
**Database and ETL:** MySQL, MongoDB, Google BigQuery  
**Data Visualization:** Power BI, Tableau, Matplotlib, Google Analytics  
**Statistical Analysis and Machine Learning:** Hypothesis Testing, Regression, Clustering, Predictive Analysis  
**Tools and Platforms:** Git, Scrum, MS Office (Excel, Power Point), Microsoft Azure, AWS  
**Certifications:** Google Data Analytics, IBM Data Science

## PROFESSIONAL EXPERIENCE

<b>University of Texas at Dallas - The Jonsson School, United States</b>	<b>September 2024 - Present</b>
<b>Student Assistant - Data Analyst</b>	
• Analyzed over 500 student survey responses per semester to generate detailed Excel & Power BI dashboards that informed departmental planning and optimized program strategies.	
• Developed and presented data-driven reports using pivot tables, charts, and metrics to communicate insights on enrollment patterns, job or internship outcomes, and event participation and visualized the data in Power BI.	
• Integrated Salesforce data with survey analytics, which led to a 25% rise in event turnout and improved prospective student conversion rates.	
• Built an automated Python script to clean, transform, and merge multi-source survey and Salesforce data, reducing manual processing time by 40% and enabling near real-time reporting data pipeline.	
• Created a set of optimized SQL queries and reusable scripts to retrieve and filter enrollment and event data, reducing report generation time from hours to minutes and accelerating departmental analysis.	

<b>ITECH Digital Forensics, India</b>	<b>June 2022 - August 2022</b>
<b>Data Analyst Intern</b>	
• Extracted and analyzed web traffic and client behavior data using Google Analytics and SQL Server, identifying high-interest institutional and enterprise clients for targeted outreach campaigns.	
• Designed interactive Tableau dashboards visualizing user engagement and product interest across 50+ products, pinpointing the most popular tools to guide product marketing strategy.	
• Optimized AWS database structures during a website migration, resulting in a 15% increase in load speeds and improving data processing efficiency.	

## PROJECTS

<b>Food Delivery Platform Performance Analysis</b>	<b>January 2025 - March 2025</b>
Tools Used: Python, SQL, Tableau, A/B Testing, Regression	
• Evaluated delivery efficiency in a large-scale dataset using SQL & Python (Pandas, NumPy) to uncover delay patterns by distance, weather, and peak demand, enabling targeted operational improvements.	
• Applied regression and A/B testing to assess notification strategies, simulating 12% fewer late deliveries and 8% higher ratings.	
• Illustrated Tableau dashboards with KPI tracking, geospatial maps, and trends for real-time operational decisions.	
<b>Job Market Analytics and Salary Trend Visualization</b>	<b>June 2024 - August 2024</b>
Tools Used: Python, SQL, Scikit-Learn, Power BI, NLP	
• Processed 10,000+ job postings with SQL & Python (BeautifulSoup, Pandas) to construct a structured dataset for in-depth skill and salary trend analysis.	
• Implemented NLP to parse job descriptions, extract in-demand skills, and identify keyword trends by role and industry.	
• Built a Scikit-learn salary prediction model (85% accuracy) and Power BI dashboards, improving job recommendations by 30%.	

## LEADERSHIP

<b>Great Minds in Stem (GMIS) Conference 2024 - Delegate</b>	<b>November 2024</b>
<b>Association for Computing Machinery   DBIT - Core Team</b>	<b>September 2021 - May 2024</b>