NAVODITH SHANKAR

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EDUCATION

New Jersey Institute of Technology — *Newark, NJ*
Bachelor of Science in Computer Science & Business — *May 2025*

- Awards: Scholarship, Dean's List
- Relevant Coursework: Database Systems, Data Structures, Business Data Analytics, Intensive Programming in Linux (Unix), Guided Design in Software Engineering
- **Certifications:** IBM Data Analyst Professional Certificate

Master of Science in Data Science — *Expected May 2026*

- Relevant Coursework: Database Management, Statistics, Deep Learning

PROFESSIONAL EXPERIENCE

Verizon — *Newark, NJ*
Data Science Intern — *Sept 2024 – Dec 2024*

- Engineered and implemented a machine learning model on the Verizon Cloud Monitoring Platform, analyzing over 39 million data points and 3TB of data to convert extensive data streams into actionable insights for operational enhancement.
- Orchestrated the deployment of a robust machine learning infrastructure, leveraging PySpark for data preprocessing and analysis, and employing Extreme Gradient Boosting (XGBoost) and K-Means clustering for predictive modeling, significantly reducing error rates and enhancing predictive analytics capabilities in Verizon's cloud operations, achieving an 85% accuracy rate.
- Spearheaded a cross-functional collaboration that integrated advanced data analytics into Verizon's core operations

Verisk — *Jersey City, NJ*
Data Analyst Intern — *June 2024 – Aug 2024*

- Developed a software automation tool in Python to automate downloading and filling over 30 SharePoint forms, reducing manual completion time from 2 - 8 hours per form to mere seconds.
- Converted the Python automation tool into a desktop app for company-wide user-friendly use, eliminating the need for additional software installations as more than 800 forms are filled per year, improving efficiency by 70%.
- Collaborated with cross-functional teams to integrate automation solutions, ensuring seamless deployment and adoption.
- Analyzed state insurance data using Excel and Power BI, providing actionable insights.

Data Glacier — *Remote*
Data Science Intern — *January 2023-April 2023*

- Prepared and presented in-depth analysis on 15+ datasets, utilizing hypothesis testing methodologies to derive actionable insights and support data-driven decision-making, resulting in a 25% increase in project efficiency and saving the company $50,000 in operational costs.
- Designed and developed an Exploratory Data Analysis framework to comprehensively analyze business cases, identifying key trends and opportunities to maximize business investments, leading to a 30% improvement in investment returns, equating to an additional $200,000 in revenue for a client.
- Employed a range of technical tools including Pandas, Machine Learning, Matplotlib, Data Analysis, Flask, SQL, Tableau and Python, R, and Data Mining contributing to the successful completion of 10+ data projects and enhancing data processing.

BlueStar Technology Solutions — *Remote*
Software Engineer and Analytics Intern — *June 2022-Sept 2022*

- Assisted in migrating Microsoft Office tools to Cloud Office 365, streamlining collaboration and accessibility for over 100 employees, resulting in a 40% increase in productivity.
- Participated in the design and development of the corporate website using HTML, JavaScript, and CSS. Contributed to the creation of a user-friendly, responsive design that improved user engagement and site performance.

PROJECTS

Airline Reservation System | SQL / GitHub

Designed and developed an Airline Reservation System using SQL, enabling efficient booking, modification, and cancellation of flight reservations that showcases expertise in SQL and database management.

Taxi Cab Analysis | Python (Matplotlib, NumPy, Seaborn) / GitHub

Conducted comprehensive data analysis comparing the financial performance of two cab companies using Python. Utilized Matplotlib, NumPy, and Seaborn for data visualization and statistical analysis, provided actionable investment recommendations.

SKILLS

- **Languages:** Python(Matplotlib, NumPy, Seaborn, Sklearn, Pandas, Scikit-learn, Flask), SQL, Java, C, JavaScript(Node), R, Bash
- **Tools:** Git, Jupyter, Tableau, Power BI, Airflow, Microsoft Suite(Excel, PowerPoint, Outlook), Linux (Kotlin, Kali, Ubuntu), Docker, Agile, SAS, Snowflake, AWS