SIDDHARTH SANGOLLI

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EDUCATION:

Master of Science in Information Systems (Business Intelligence and Analytics) *May 2024*
Stevens Institute of Technology GPA - 3.92/4
Courses: Financial Decision Making, Business Analytics: Data, Models and Decisions, Marketing Analytics, Data Management, Process Innovation and Management, Project Management, Applied Analytics, Information Technology (IT) Strategy

Bachelor of Technology in Electronics & Communication Engineering (Computer Networking) *August 2022*
BMS Institute of Technology and Management, India (**First Class**) GPA - 7.1/10
Courses: Computer Networking, Network Security, Operating Systems, Telecommunications, Satellite Communication, Wireless Technology

TECHNICAL SKILLS:

Tools and Software: Microsoft Office Suite, Tableau, RapidMiner, Microsoft Power BI, PostgreSQL, Agile Methodologies, Microsoft Project.
Programming Languages: R, SQL, JavaScript, C, C++, Python (NumPy, Pandas, Matplotlib, Seaborn).
Technologies: HTML5, CSS3, Bloomberg, Google Analytics.
Hard skills: Data Management, Data Analysis, Variance and Cluster Analysis, Forecasting, Project Management, Risk Management, Data Visualization.
Soft Skills: Problem Solving, Detail Oriented, Innovative, Team Player, Leadership, Strategic Planning.

WORK EXPERIENCE:

Student Graduate Assistant – Stevens Institute of Technology (Hoboken, NJ) *September 2023 – Present*

- Summarized class presentations and weekly readings, aided students in revision and retention, clarified key concepts and insights to facilitate comprehensive understanding of Integrating Information System Technologies course
- Collaborated with the Director of Disability Services, conducted examinations for students across various departments, assisted by providing notes, ensuring equal access to educational materials, and enhancing the learning experience

Naval Systems Intern – Bharat Electronics Limited (Bangalore, India) *August 2020 – September 2020*

- Investigated historical data using SQL (for data exploration, cleansing, segmentation, advanced filtering, and sorting), and examined alternatives for manufacturing unit, resulting in cheaper alternatives by 12%
- Spearheaded the use of Excel functions and R for variance analysis, cluster analysis and implemented Tableau for statistical analysis and visualization of customer segments leading to a 10% increase in forecast accuracy
- Demonstrated strong communication and problem-solving abilities through collaborative client engagement, reflecting my practical skills in real-world scenarios

ACADEMIC PROJECTS:

Supply Chain and Operations - Piko Provisions Expansion (Industry Capstone Project) *September 2023 – Present*

- Assessed procurement alternatives and proposed local sourcing, cutting expenses by 15%
- Analyzed supply chain infrastructure, modelled a streamlined supply chain, minimizing procurement costs by 9%
- Evaluated distribution networks, reduced transpiration costs by 23% using variance analysis, budgeting and risk management

Campus Shuttle Service Redesign *January 2023 – May 2023*

- Led a comprehensive redesign of an existing shuttle service (SIT), leveraging MS Excel, Tableau, and R-Studio
- Employed project management methodologies resulting in a 20% reduction in project timeline
- Applied predictive analytics using Pandas library to optimize shuttle routes, resulting in a 15% reduction in travel time
- Achieved 96% customer satisfaction through advanced analytics and Agile methodologies

Credit Card Approval Model *January 2023 – May 2023*

- Utilized Linear Regression modeling in RapidMiner, achieving 92% accuracy in creditworthiness prediction
- Implemented hypothesis testing, validating model results with a 95% confidence level
- Conducted sensitivity analysis, identifying critical factors affecting creditworthiness
- Enhanced predictive precision through Tableau by reducing false positives and negatives by 8% and 12% respectively

Business Re-Engineering of an Organization (Hilton) *August 2022 – December 2022*

- Using NumPy and Matplotlib, identified inefficiencies in customer booking and increased the conversion rate by 15%
- Overhauled Hilton's structure by redefining the Work Breakdown Structure, reducing project delivery time by 20%
- Analyzed operational data using R, identifying bottlenecks, and improving efficiency by 25%
- Implemented clustering techniques, resulting in an improvement in customer segmentation accuracy by 35%

Breast Cancer Classification *August 2021 – August 2022*

- Achieved 89.9% accuracy in breast cancer classification using a custom Convolutional Neural Networks model
- Collaborated with interdisciplinary teams, radiologists, and clinical experts to enhance model robustness
- Advised anomaly detection methods to resolve outliers in the dataset and increased model accuracy by 2%
- Developed a user-friendly interface for medical professionals, reducing diagnosis time using JavaScript, HTML 5 and CSS 3