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: Microsoft Office Suite, Tableau, R-Studio, RapidMiner, Power BI, PostgreSQL, AWS.
Programming Languages: R, SQL, JavaScript, C, C++, Python.
Technologies: HTML5, CSS3, Google Analytics.
Certifications: R for Finance, Data Manipulation in SQL, Programming Foundations with JavaScript, HTML and CSS, AWS (Course Era).
Soft Skills: Problem Solving, Detail Oriented, Innovative, Team Player, Leadership, Strategic Planning, Decision Making.
Project Management: Agile Methodologies, Microsoft Project, Planning, Coordination, Work Breakdown Structure (WBS).

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 and 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*
- Optimized communication systems through C, C++, system analytics for enhanced speed and low energy consumption, resulting in increased efficiency by 7%
- Demonstrated proficiency in a diverse range of technical skills, including SQL (for data exploration, cleansing, segmentation, advanced filtering, and sorting), R (ANOVA, cluster analysis, forecasting), Tableau (for statistical analysis and visualization) , Agile Methodologies and advanced Excel functions
- 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*
- Implemented local sourcing, cutting expenses by 15% and increasing product freshness
- Developed a streamlined supply chain, reducing procurement costs by 10%
- Instituted a cost-effective road network, cutting transportation costs by 25%

Shuttle Service Redesign with Advanced Analytics and Project Management *January 2023 – May 2023*
- Led a comprehensive redesign of an existing shuttle service, leveraging MS Excel, Tableau, and R-Studio
- Employed project management methodologies resulting in a 20% reduction in project timeline
- Employed predictive analytics to optimize shuttle routes, resulting in a 15% reduction in travel time
- Achieved 96% customer satisfaction through cross-functional teams and Agile methodologies.

Credit Card Approval Using Linear Regression Model (RapidMiner) and Tableau *January 2023 – May 2023*
- Utilized Linear Regression modeling in RapidMiner, achieving 92% accuracy in creditworthiness prediction
- Utilized 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 *August 2022 – December 2022*
- Analyzed Hilton's processes, using advanced data techniques, resulting in a 30% operational efficiency boost
- Overhauled Hilton's structure by redefining the Work Breakdown Structure, reducing project delivery time by 20%
- Analyzed operational data, identifying bottlenecks, and improving efficiency by 25%
- Implemented clustering techniques, resulting in an improvement in customer segmentation accuracy

Breast Cancer Classification using Convolutional Neural Networks *August 2021 – August 2022*
- Achieved 89.9% accuracy in breast cancer classification using a custom CNN model
- Collaborated with interdisciplinary teams, radiologists, and clinical experts to enhance model robustness
- Employed anomaly detection methods to identify outliers in the dataset, improving data quality
- Developed a user-friendly interface for medical professionals, reducing diagnosis time