Samhita Komandur Sreenivasa

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EDUCATION

Santa Clara University, Leavey School of Business   Santa Clara, CA
 Masters in Information Systems   June 2025

Relevant coursework: Data Analytics with Python, Database Management Systems -Fundamentals of SQL, BI & Data Warehousing, Data Structures and Algorithms**,** Financial Accounting**,** Object-Oriented Programming with JAVA**,** Big Data Analytics**,** Machine Learning**,** Software Project Management**.**

SV College Of Engineering   Tirupati, India
 Bachelor of Engineering in Computer Science Engineering GPA 3.60   July 2022

TECHNICAL SKILLS

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio
Technologies/Frameworks: Linux, Jenkins, GitHub, JUnit, WordPress
Data Science and Machine Learning: Python, scikit-learn, Jupyter Notebooks, Pandas, Machine Learning
Natural Language Processing (NLP) and Web Development: NLP, Python, Flask

EXPERIENCE

Atlantis, The World School   Tirupati, India
Data Analyst Intern   January 2023 - July 2023

- Implemented cutting-edge process mining techniques to optimize course paths, leading to a remarkable 15% surge in graduation rates and an impressive 20% reduction in failures. By precisely identifying critical stages in students' academic journeys, strategically targeted improvements were executed, substantially boosted overall academic success
- Applied data analytics to identify student acquisition patterns, facilitating proposed outreach strategies and contributing to a 25% increase in enrollment
- Conducted a thorough and in-depth statistical analysis to evaluate the effectiveness of implemented changes, offering actionable recommendations for further improvements

Silver Oaks   Tirupati, India
Data Analyst   August 2022 - December 2022

- Utilized Tableau to represent operational bottlenecks visually, refining decision-making and resulting in a 30% improvement in understanding complex data and quantifying actionable insights for process optimization
- Elevated graduation and retention rates by strategically employing data analytics strategies, yielding a substantial 10% increase in both metrics. Success was realized through addressed interventions and personalized support initiatives tailored to individual students
- Developed and delivered training sessions, empowering faculty members with data-driven insights and fostering a culture of data literacy organization-wide

ACADEMIC PROJECTS

Job Market Insights Dashboard | Python, Pandas, Machine Learning   November 2023

- Executed a comprehensive analysis of a diverse job market dataset, leveraging Python, Pandas, and Machine Learning techniques, leading to extraction of pivotal insights. The findings notably enhanced understanding of evolving job market trends and crucial skill requirements, contributing to strategic decision-making

Student Performance Predictor| Python, scikit-learn, Jupyter Notebooks   March 2023

- Created a Python-based predictive model using scikit-learn and Jupyter Notebooks. Conducted in-depth analysis of historical data, attendance records, grades, and participation levels to anticipate students' academic performance. The developed model provides valuable insights for proactive educational strategies

Parent-Teacher Communication Analyze | Python, scikit-learn, Jupyter Notebooks   August 2022

- Engineered Python-based NLP tool using Flask, facilitating analysis and summarization of text-based communication between parents and teachers. Implementation of tool increased understanding and interaction within educational environments, fostering improved collaboration among key stakeholders