

Samhita Komandur Sreenivasa

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EDUCATION

Santa Clara University, Santa Clara, CA | Master of Science in Information Systems | GPA : 3.8/4.0 *Jun 2025*
SV College Of Engineering, Tirupati, India | B.Tech. in Computer Science Engineering | GPA : 3.6/4.0 *Jul 2022*

TECHNICAL SKILLS

Programming 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 ML: Python, scikit-learn, Jupyter Notebooks, Pandas, Machine Learning, TensorFlow, NumPy

Natural Language Processing (NLP) and Web Development: NLP, Python, Flask

AWS: S3, EC2, Lambda, DynamoDB, RDS, CloudFormation, IAM

Data Visualization: Tableau (data blending, calculated fields, dashboard actions, Tableau Prep)

EXPERIENCE

AI Chatbot Project | **Payactiv, SCU Practicum** | *Santa Clara, CA* *Jan 2024 - Jun 2024*

- Worked on the development and testing of a generative AI chatbot using AWS AI tools to help answer user questions.
- Helped automate the account creation process, achieving an 80% success rate and reducing costs.
- Assisted in creating the web interface with AWS Cloud9 and Python-based backend APIs.
- Used NLP and AWS DynamoDB for data management and testing.
- Focused on making customer interactions more efficient and cost-effective.

Data Analyst | **Atlantis** | *Tirupati, India* *Jan 2023 - Jul 2023*

- Developed interactive data visualizations using Tableau and Power BI.
- Conducted training sessions on data visualization techniques for faculty members.
- Implemented automated reporting processes to improve data accuracy.
- Collaborated with educational leaders to design visual dashboards for decision-making.

Product Management Intern | **SDPS** | *Tirupati, India* *Aug 2022 - Dec 2022*

- Assisted in the strategic development of technology solutions aligned with institutional goals.
- Conducted market research and user surveys to prioritize product features.
- Supported cross-functional teams for successful product development.

Business Analysis Intern | **Silver Oaks** | *Tirupati, India* *Jan 2022 - Apr 2022*

- Optimized educational processes using Python and Tableau for data analysis.
- Collaborated with faculty to identify operational efficiencies and improvements.

PROJECTS

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

- Executed comprehensive analysis of job market dataset to extract insights and trends.
- Enhanced strategic decision-making through data-driven insights.

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

- Developed a predictive model for student academic performance using historical data.
- Anticipated academic outcomes to provide insights for proactive educational strategies.

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

- Engineered an NLP tool using Flask for text analysis and summarization of communication data.
- Facilitated improved collaboration in educational environments through data analysis.