

SAHITHI SINGAMSETTI

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CAREER OBJECTIVE

As a final-year undergraduate student specializing in Data Science, I am driven by the belief that data can be a powerful force for societal transformation. My mission is to explore the intersection of information, data science, and society to address real-world challenges. Drawing on my experience and coursework in Data Analytics, Statistics, Machine Learning, and Data Visualization, I aim to contribute to an innovative organization committed to making a positive impact. I'm eager to apply my skills to meaningful projects that drive change through data-driven insights and guide business decision making.

EDUCATION

Sridevi Women's Engineering College	Hyderabad, India
Bachelor of Technology - CSE (Data Science)	Oct 2022 – June 2026
CGPA: 9.21/10	

FIITJEE Junior College	Hyderabad, India
Intermediate - TSBIE(MPC), Score: 893/1000	June 2020 – May 2022

Scholars Academy	Hyderabad, India
CBSE, Score: 936/1000	Mar 2020

SKILLS

Languages & Tools: Python, SQL, Google Colab, VS Code

Libraries & Frameworks: Pandas, NumPy, Matplotlib, Seaborn,

Machine Learning Algorithms: Linear/Logistic Regression, Decision Trees, Random Forests

Data Science Concepts: Data Cleaning, EDA, Feature Engineering, Classification, Regression

Visualization: Tableau, Excel

Databases: MySQL

Soft Skills: Strong communication, public speaking, problem-solving, and leadership skills

INTERNSHIP EXPERIENCE

AI Azure Intern, Microsoft & Edunet Foundation (AICTE Initiative)	May 2025 – June 2025
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- Completed a 4-week Microsoft-certified internship on Azure AI tools & ML services.
- Built a Twitter Sentiment Analysis model using Python on a dataset of 1.6 million tweets; performed model selection & applied logistic regression for binary classification and achieved ~78% accuracy.
- Explored Azure Cognitive Services and responsible AI principles through guided assignments.
- Gained hands-on exposure to deploying machine learning models in the cloud and evaluating them using Azure's built-in tools.

Data Science Intern, SkillCraft Technology (MSME Recognized)	Feb 2025
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- Built a Decision Tree Classifier using the UCI Bank Marketing dataset to predict customer purchase behavior from demographic and behavioral data.
 - Performed EDA and data cleaning on the Titanic dataset to uncover trends and variable relationships.
 - Analyzed 3000+ traffic accident records to identify patterns based on weather, road conditions, and time of day; visualized accident hotspots using charts.
 - Created bar charts and histograms to explore variable distributions across multiple datasets.
 - Earned a Letter of Recommendation for performance and contribution to project work.
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PROJECTS

Title: Twitter Sentiment Analysis, [GitHub](#)

Duration: Mar 2025 – Apr 2025

Team Size: 3 members

Project Summary: Used the Sentiment140 dataset from Kaggle to analyze public sentiment on Twitter. Performed data preprocessing steps including stop-word removal, stemming, punctuation cleaning, and conversion of categorical labels to numerical form. Prepared the cleaned and structured dataset for downstream sentiment classification using TF-IDF vectorization.

Personal Contributions: Preprocessed the dataset by cleaning text, applying stemming and stop-word removal, encoding labels, and transforming data using TF-IDF.

Title: Customer Churn Prediction

Duration: Jan 2025 – Feb 2025

Project Summary: Built an ML model to predict customer churn using a dataset with over 4,000 records. Performed data preprocessing (handling missing values, encoding, scaling), forecasting & exploratory data analysis (EDA) to uncover patterns. Applied feature selection to enhance model performance. Trained and evaluated Decision Tree and Random Forest models using k-fold cross-validation to assess performance using accuracy, precision, and recall. The project aimed to help businesses identify at-risk customers and guide data-driven business decisions for improving retention strategies and reducing churn.

CERTIFICATIONS

- Introduction to Data Science, ML & Cybersecurity, Infosys Springboard – Nov 2024
- Data Structures & Algorithms, ExcelR – Sept 2024
- Python & SQL, ExcelR – Dec 2023
- Introduction to Machine Learning, Kaggle – May 2025
- Cybersecurity Essentials, Cisco Networking Academy – June 2025
- Networking Essentials, Cisco Networking Academy – July 2025

ACHIEVEMENTS & PRESENTATIONS

- Selected as a part of a team to present our project at the Vigyan Vaibhav National Science Expo, showcasing our work to ISRO scientists, dignitaries, and startup founders – Mar 2025
- Awarded 1st prize for presenting a seminar paper on Neuromorphic Computing at Sridevi Women's Engineering College's annual technical fest – Nov 2023
- Project abstract selected and published in MGIT's annual tech magazine – Sept 2024
- Secured 3rd prize for project development during a 3-day ML and Data Analytics Workshop at Sridevi Women's Engineering College – Apr 2025
- PowerPoint presentation on Generative AI widely appreciated by attendees for clarity and engagement during a departmental seminar – Dec 2023
- Ranked in the top 6% of the department across all semesters.

WORKSHOPS, TRAININGS & SEMINARS

- Attended a 3-day workshop on ML & Data Analytics at Sridevi Women's Engineering College – Apr 2025
- Participated in MGIT 24hr National Level Hackathon – Mar 2024
- Participated in Woxsen 24hr Hackathon – Feb 2025

EXTRACURRICULAR ACTIVITIES

- **Cocurricular:** Founded and led the college coding club "Code Crafters" for 2 years (Freshman & Sophomore year).
- **Cultural:** Creative & Design co-ordinator for annual college fest "Vidyut 5.0"; designed event posters, banners, and certificates – Mar 2025
- **Elocution:** Regular host and anchor for college events, seminars, and workshops; passionate about public speaking and experienced in delivering technical presentations.