

Swetha Gayatri Kandikonda

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EDUCATION

Master of Science in Data Science

Vellore Institute of Technology • Vellore • GPA: 9.16 Aug 2024 - Apr 2026

Bachelor of Technology in Computer Science

CVR College of Engineering • Hyderabad • GPA: 8.68 Jul 2016 - Apr 2020

WORK EXPERIENCE

LTIMindtree

Apr 2021 - Jul 2024

Senior Data Analyst

- Enhanced organizational decision-making by creating comprehensive Power BI dashboards that delivered real-time performance metrics to stakeholders within 4 months.
- Increased actionable insights by 30% within 6 months by collaborating with cross-functional teams to define and track key performance indicators (KPIs) for data analysis.
- Developed and implemented automated data validation pipelines using Azure Databricks, reducing manual effort by 85% and increasing data quality by 10%.
- Utilized PySpark to conduct advanced data wrangling techniques, leading to a 20% increase in data accuracy and reliability for business decision-making.

Azure Cloud Engineer

- Developed automated workflows using Azure Logic Apps to integrate diverse applications and reduced manual intervention by 80%.
- Deployed Azure Function Apps to process over 1000 HTTP requests per day, resulting in a 30% increase in efficiency for customers.
- Utilized Azure PowerShell scripts to automate resource provisioning and configuration, resulting in a 40% reduction in deployment time for cloud infrastructure projects.
- Recognized as a highly motivated member of Azure Collective on Stack Overflow, contributing 773 answers and reaching 680k people.

PROJECTS

Lending Club - Loan defaulter classification

Jan 2025 - Present

- Deployed a loan defaulter prediction model using imbalanced dataset, eliminating 40% features through feature engineering.
- Conducted exploratory data analysis, imputed missing values using K-Nearest neighbors and eliminated 0.1% outliers using Sklearn.
- Devised ML workflows to perform categorical encoding, scaling, XGBoost model with hyperparameter tuning using Optuna.

Deep Semantic & Collaborative Recommendations for E-commerce

Jan 2025 - Apr 2025

- Built a hybrid recommendation engine for video games, combining SVD-based collaborative filtering with content-based methods to improve results.
- Enhanced recommendation relevance by generating game descriptions via prompting, embedding with Sentence Transformers, and applying cosine similarity, boosting content-based recall by 15%.
- Evaluated model effectiveness using Precision@k, achieving ~20% precision, demonstrating measurable potential to increase user engagement.

Amazon Reviews - Sentiment Analysis

Aug 2024 - Dec 2024

- Collaborated Natural language processing and Deep learning techniques to perform sentiment analysis on imbalanced Amazon reviews.
- Conducted text preprocessing using NLTK and created 100 dimension embeddings using Gensim's CBOW, Skipgram and Fasttext.
- Employed XGBoost model, CNN and RNN using embeddings as features with hyperparameter tuning to achieve 94% ROC AUC score.

Interactive Tableau Dashboard: Analyzing Urban vs Rural Education Disparities

Aug 2024 - Dec 2024

- Uncovered key factors influencing education in urban vs. rural areas by developing interactive Tableau dashboards highlighting disparities.
- Identified correlations between school facilities (washrooms) and student retention rates, enabling data-driven insights into education accessibility.
- Enhanced stakeholder understanding of education gaps by visualizing multi-dimensional datasets in Tableau, driving actionable discussions on policy and resource allocation.

SKILLS

Programming: Python, C#, Microsoft SQL Server, KQL, ADO.NET, Data Structures, Algorithms, Problem solving

Machine learning: Machine Learning, Regression, Classification, Data Cleaning, Data preprocessing, Data transformation, Feature Engineering, Data Visualization, Cross Validation, Deep learning, Neural Networks, Natural Language Processing, Sentiment Analysis, Generative AI, Large language models, Huggingface, LLM, Gen AI

Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, xgboost, SciPy, nltk, spaCy, Pytorch, Optuna, transformers, ollama

Cloud computing: Microsoft Azure, Databricks, Logic Apps, Powershell, Azure CLI, Azure Runbooks, Azure Service Bus, Data Lake

Others: Azure, Microsoft Power BI, SQL Server Management System, MS Excel, Microsoft Power Automate, PySpark, ASP.NET MVC, ASP.NET Web API, HTML, CSS, Documentation, Critical thinking, Continual learning

CERTIFICATIONS

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|---------------------------|--------------------|
| Azure Fundamentals | Jun 2021 - Present |
| Microsoft | |

AWARDS & SCHOLARSHIPS

Winners of Smart India Hackathon in March 2019 (Software Edition)

Smart India Hackathon