SANTHOSHI VEMPATI

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EDUCATION

Kennesaw State University   Marietta, Georgia
Master of Science in Information Technology | GPA: **3.9/4.0**   May 2025
Coursework: Data visualization, Business Intelligence, Practical Data Analytics, IT Capstone

TECHNICAL SKILLS

Languages: Python (Pandas, NumPy, Matplotlib), SQL
Data Visualization: Tableau, familiar with Salesforce Einstein Analytics, Gradio
Other Tools: Git, JIRA, Confluence, Excel, PowerPoint, Basics of SAS
Concepts: Data Modeling, Data Storytelling, Statistical Analysis
UX Design, Data Wrangling, Data Cleaning
Soft Skills: Problem-Solving, effective Communication, adaptable
To new technologies, Teamwork

Big Data Tools: Hadoop, Hive, HBase, Spark
Databases: Oracle, NoSQL, MySQL, PostgreSQL
Version Control: Git
Machine Leaning: TensorFlow, PyTorch, scikit-learn, Wav2Lip gTTS, S3FD, CUDA, Transformers(familiar)
Languages: English, Hindi, Telugu
Cloud Platforms: Familiar with AWS(S3, EC2, IAM) SageMaker (Basic usage)

WORK EXPERIENCE

Infosys Ltd, Hyderabad, India   March 2021– June 2023
Data Analyst
- Designed and deployed over 25 interactive Tableau dashboards to support strategic decision-making across marketing and product teams.
- Partnered with engineering and data science teams to integrate Hive and Oracle datasets, reducing manual reporting efforts by 40%.
- Collaborated with cross-functional teams to ensure consistency, quality, and transparency in data definitions and governance practices across departments.
- Conducted A/B testing and adoption analyses to optimize user engagement and product feature rollouts.
- Applied data storytelling techniques to communicate KPIs and trend analyses to non technical stakeholders.
- Contributed to data quality improvement by identifying and resolving over 100 data anomalies. Integrated Salesforce Einstein Analytics into visualizations to enable CRM performance insights and cross-functional sales tracking.

Infosys Ltd, Hyderabad, India   December 2020 – Febuary2021
Data Analyst Intern
- Built SQL queries and visual reports to track business KPIs, customer retention, and user behavior trends.
- Developed predictive models with Spark and Python to support marketing campaigns.
- Worked with product owners and UX teams to translate insights into improved UI/UX recommendations.
- Documented analytics workflows and mentored interns on visualization best practices. Collaborated with Salesforce teams to map customer journeys and optimize CRM processes, improving campaign conversion by 15%.

PROJECTS

Text-to-Digital Avatar Generator – IT Capstone   Aug 2024 – Dec 2024
Designed an AI-powered platform that converts text into lifelike videos using Wav2Lip and gTTS for lip-synced presentations.
Built a Gradio-based web application with multilingual support for global accessibility.
Used CUDA for real-time rendering and S3FD for facial detection to enhance output quality.
Operated within Agile sprints, tracked progress on Trello, and ensured reliability with UAT and documentation.
Technologies Used: Python, Wav2Lip, gTTS, Gradio, S3FD, CUDA, Trello, GitHub, Agile, UAT

HCAHPS Patient Survey Analysis: Analyzed and visualized patient experience trends across U.S. hospitals using Tableau and SQL, providing insights to healthcare stakeholders.
Technologies: Tableau, SQL, Excel

Analytics for Actuarial and Insurance (Independent Learning): Studied publicly accessible insurance statistics to gain an understanding of important actuarial concepts like reserving methods, claims analysis, and premium modeling. created risk exposure dashboards and employed Python-based predictive modeling to make forecasting easier. utilized data governance techniques and researched regulatory frameworks for datasets pertaining to insurance.
Technologies: Excel, Tableau, SQL, and Python (Pandas, scikit-learn)

CERTIFICATION

Tableau Desktop Specialist
Google Data Analytics Professional Certificate