GOWTHAM SAI BHUVANAM

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EDUCATION

University of South Florida (USF) - Muma College of Business **Tampa, Florida**
Masters in Artificial Intelligence and Business Analytics|GPA: 3.76 *August 2023 – May 2025*

- **Coursework:** Data Mining, Advanced Database Management Systems, Analytical Methods of Business(R), Data Visualization, Data Science Programming, Distributed Information Systems, Advanced Systems Analysis/Design, Project Management, Software Testing, Data Warehousing, Enterprise Information System Management.

Rajiv Gandhi University of Knowledge Technologies **Srikakulam, India**
Bachelor of Technology in Computer Science and Engineering | GPA: 3.5 *August 2019 – May 2022*

- Awarded prize for an undergraduate research project focused on developing an ML-based Optical Character Recognition (OCR) solution for historical documents.

WORK EXPERIENCE

Tata Consultancy Services, Hyderabad **Telangana, India**
Assistant System Engineer July 2022 – July 2023

- Developed and maintained ETL pipelines to process large datasets for real-time analytics, improving data processing speed by 40% and supporting decision-making for business intelligence.
- Optimized SQL queries, implemented indexing strategies, and fine-tuned database performance, reducing query execution time by 30% and enhancing overall system efficiency.
- Collaborated in Agile teams to deliver software solutions on time, increasing client satisfaction by 10%, using Jira, Git, and Agile methodologies.

Training and Placement Cell, RGUKT Srikakulam **Andhra Pradesh, India**
Student Coordinator - Lead August 2019 – July 2022

- Coordinated professional development events and organized both virtual and in-person sessions, boosting student engagement by 20% and increasing participation in career-building activities by 15%.
- Optimized reporting workflows by 30% using data pipeline automation and advanced analytics, generating detailed university reports and improving operational efficiency by 10% through data-driven decision-making.

SKILLS

Languages & Analytical Tools: Python (Pandas, NumPy, Matplotlib, Scikit-Learn), R, SQL, Excel (Power Query, VLOOKUP, Pivot Tables), Business Process Modeling, Requirements Gathering, KPIs, Stakeholder Communication, Data Cleaning, Data Validation, Statistical Analysis

Visualization & BI Tools: Tableau, Power BI, Figma, Looker, Advanced Excel

Technologies & Methods: Jira, Git, Agile, CI/CD, BPMN, SDLC, Project Management Tools, CRM Analysis, Competitor Benchmarking, SWOT Analysis.

ACADEMIC PROJECTS

Florida Ranking in Education across United States

- Created interactive Tableau dashboards to analyze educational metrics across U.S. states, revealing Florida's 9th-place ranking, with strengths in high school graduation rates and low student debt.
- Visualized key education factors such as 2-year and 4-year college graduation rates, advanced degree holders, and student debt, providing insights into Florida's balanced higher education affordability and attainment.
- Analyzed K-12 metrics including NAEP test scores and college readiness, demonstrating that Florida excels in graduation rates, but lags in test scores compared to other states.

Skin Condition Image Network (SCIN) Project

- Developed a hybrid AI model using CNNs and LSTMs to automate dermatological diagnostics with over 10,000 images, achieving 71% accuracy in skin condition classification and progression prediction.
- Addressed challenges such as incomplete information and low-resolution images, enhancing model performance and managing real-world complexities in medical imaging.
- Utilized deep learning techniques (CNNs and LSTMs) to process and analyze large datasets, enhancing the accuracy of skin condition diagnosis through AI-driven predictions.

Resume Categorization

- Designed and executed a text mining project for categorizing resumes from livecareer.com, performing EDA and using NLTK for text cleaning.
- Implemented machine learning algorithms for multi-class classification, achieving accuracy improvements through hyperparameter tuning and optimization.