GOPI VARDHAN GUNTA

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Education

Florida State University   **Tallahassee, FL**
Master of Science in Data Science, GPA: 3.91   *Expected May 2025*

Gitam University   **Visakhapatnam, India**
Bachelor of Technology in Computer Science, GPA: 8.36   *May 2023*

Experience

ZAWN   **Ottawa, Canada**
Software Engineering Intern   *Feb 2021 - Apr 2021*

- Analyzed and documented critical issues in the alert and complaint submission pages, reducing customer complaints by 30% and improving user satisfaction by 20%.
- Collaborated with the design team to overhaul the user interface, implementing intuitive design elements such as profile avatars and dropdown menus, which led to a 15% increase in user engagement.
- Led a team in implementing automated testing scripts, significantly reducing manual testing time and ensuring consistent quality across releases.

Visakhapatnam Port Trust   **Visakhapatnam, India**
Software Development Intern   *May 2022 - Jul 2022*

- Built a scalable web application using **Flask and MongoDB** to manage dynamic scheduling, improving operational efficiency by 25%.
- Enhanced the UI with intuitive design elements, resulting in a 40% increase in user engagement and satisfaction.
- Debugged and optimized existing functionalities, reducing the application's page load time by 30%.
- Collaborated with cross-functional teams to implement **complex data interactions** and improve user workflows.

Projects

Sentiment Analysis of Restaurant Reviews   **GitHub**

- Developed a sentiment analysis model using **Pandas, NumPy, and Scikit-learn** to classify restaurant reviews as positive or negative, achieving an accuracy of 88%.
- Utilized **NLP techniques** like tokenization, stop-word removal, and stemming to preprocess the dataset, enhancing model performance.
- Deployed the model using **Flask** to provide real-time sentiment predictions for restaurant owners, improving decision-making capabilities.

Shopping Recommendation and Report Generation System   **GitHub**

- Designed and developed a recommendation system using **Python and KNN** to suggest relevant products based on customer purchase patterns, increasing cross-sell opportunities by 25%.
- Created dynamic visualizations and reports to analyze customer spending patterns, providing actionable insights for business growth.
- Integrated the system with a user-friendly dashboard for real-time interaction and feedback, boosting user engagement by 30%.

Tally Code Brewers Hackathon   **GitHub**

- Led a team to develop a secure and scalable quiz platform using **Flask and MongoDB**, incorporating features such as time-bound quiz links and user-specific access controls.
- Implemented a sophisticated back-end architecture to handle dynamic quiz creation and real-time scoring, providing a seamless user experience.
- Achieved **semifinalist** status among 200+ participants, recognized for the innovative approach to enhancing educational assessments.

Technical Skills

Programming Languages: Python, Java, R, JavaScript
Libraries/Frameworks: Pandas, NumPy, Scikit-learn, TensorFlow, Flask, SQLAlchemy, Matplotlib, Seaborn, NLTK, Tfidf Vectorizer
Machine Learning Models: Naive Bayes, KNN, Decision Trees, SVM, Neural Networks
Databases: MongoDB, SQL, Oracle
Generative AI and Transformers: GANs, BERT, GPT
Tools and Technologies: Git, Docker, Version Control, Agile Methodology

Links

GitHub: github.com/GOPIVARDHAN1965
LeetCode: leetcode.com/gopivardhangunta/