Sai Koushik Gandikota

Boston, MA | Ph: (669) 222-9587|gandikota.sa@northeastern.edu| Linked-in|Github

EDUCATION

NORTHEASTERN UNIVERSITY Boston, MA
Master of Science in Data Analytics *Sep 2022 - May 2024*
Relevant Coursework: Data Mining, Computational Visualization, Data Management **GPA:3.96**

VELLORE INSTITUTE OF TECHNOLOGY Amaravati, AP
Bachelor of Technology in Computer Science Minor in Data Analytics *Aug 2018 - Jul 2022*
Relevant Coursework: Objected Oriented Programming, Data Structures, Problem-Solving using Java **GPA: 3.8**

PROFESSIONAL EXPERIENCE

RK INFO SYSTEMS | Data Engineer Intern *Jan 2022 - Jun 2022*

- Assisted with Customer analysis for a start-up, and contributed to the team by providing actionable insights into customer behavior, resulting in a 20% increase in targeted marketing and a 23% increase in customer engagement
- Exhibited excellent communication skills, presented project results to stakeholders, and collaborated effectively with team members, leading to 70% of recommendations being implemented
- Demonstrated exceptional leadership and teamwork abilities, efficiently aligning with team members to deliver the customer personality analysis project ahead of schedule and within budget, leading to a 20% enhancement in project productivity

ACADEMIC PROJECTS

Item Sales Prediction | Python |Machine Learning |Sklearn | Northeastern University *Dec 2022 – Jan 2023*

- Led a team of two in developing a comprehensive data pipeline for predicting item sales in different stores
- Applied ensemble modeling using statistics to combine the predictions of multiple machine learning models, resulting in a 25% improvement in accuracy compared to the baseline model
- Coordinated and communicated with other teams and professors, including business analysts and domain experts, to gather insights and feedback on the model and ensure that it aligned with the overall project goals
- Attained a high accuracy of 97% for predicting item sales by implementing a hyper-tuned Random forest model, using techniques such as cross-validation and grid search to optimize the model's hyperparameters

Energy Consumption Dashboard| Tableau | Northeastern University *Nov 2022 – Dec 2022*

- Initiated and led the development of an interactive dashboard, improved energy consumption analysis efficiency by 30%
- Integrated data by researching multiple sources on renewable and non-renewable energy sources, such as solar energy, wind energy, etc, providing a comprehensive view of energy consumption patterns
- Created 12 visualizations using including heat maps, line charts, and bar charts, to understand complex energy consumption trends and patterns with the help of calculated fields

Covid Classification using Chest X-Rays | Python | Deep Learning | Tensor Flow | VIT *Nov 2021 - Feb 2022*

- Implemented the classification of COVID-19 Chest X-Ray images as input, leveraging advanced deep-learning techniques
- Achieved remarkable accuracy rates of 96% by training and evaluating state-of-the-art models, including Resnet, Mobile-Net, and Xception, on a large dataset of over 3000 images
- Conducted thorough data wrangling and pre-processing to ensure high-quality input to the deep learning models
- Successfully deployed the optimized models on a Raspberry Pi platform, resulting in an accuracy rate of 95%, demonstrating the robustness and real-world applicability of the developed solution

Hotel Management System | Python | Machine Learning | VIT *Mar 2020 - Jun 2020*

- Demonstrated exceptional leadership and teamwork skills as project leader, guiding a team of 3 to effectively evaluate root causes and explore potential solutions for hotel cancellations
- Utilized data analysis techniques, including the Random Forest Classifier, on a provided dataset to classify data and uncover 4 new attributes that could increase hotel bookings
- Gained domain knowledge through communication with hotels and applied data analysis techniques, including Random Forest Classifier, to achieve 89% accuracy in identifying solutions for hotel cancellations

TECHNICAL STRENGTHS

Programming Languages: Python (Pandas, Numpy, Scikit-learn, Tensor-flow, Seaborn), Java, R Programming
Development and Databases: My SQL Workbench, NoSQL, MongoDB
Data Analytical Tools: Microsoft Office (Excel), R Studio, Google Big Query
Data Visualization Tools: Microsoft Power-BI, Tableau, Flourish, Google Data Studio
Cloud Services: Amazon Web Services(AWS)