Sai Srikar Gandhe

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https://github.com/Srikar-13

Education

Indiana University **August 2022 – May 2024**
Master of Science in Data Science, CGPA : 3.7/4.0 *Bloomington, Indiana*
Coursework: Introduction To Statistics, Usable AI, Data Mining, Data Visualization, DataBase Management Systems, MGMT Access Use Big Data, Intro to Intelligent Systems

VNR VJIET **August 2017 – July 2021**
Bachelor of Technology in Mechanical Engineering, CGPA : 3.7/4.0 *Hyderabad, Telangana*

Technical Skills

Languages: Python, Java, C, SQL, HTML CSS, XML, R, D3Js, Microsoft Access, Scala,Spark
Frameworks: PyTorch, SkLearn, Keras, TensorFlow, NLTK, Django, Nodejs, Hadoop
Applications/Tools: VS Code, Eclipse, AWS ,Google Cloud Platform, Numpy, Pandas, Matplotlib, Seaborn, Tableau, Alteryx, Microsoft Power BI, Git, Linux, DevOps, Dataiku
Databases/Cloud: MySQL, Postgre SQL, PL/SQL, MongoDB
Others: Selenium, AutoCAD, SolidWorks, Blender, Unity, A/B Testing, Docker, ML/AI

Experience

Indiana University Bloomington **May 2023 – Present**
Data Scientist, School of Education *Bloomington, Indiana*
- Orchestrated a 50% data-driven research project on the Carnegie Classification. Crafted visualizations to highlight institutional ancestries.
- Harnessed Power BI for 90% of the design of the Tassels Parallel Set Slicer, tracking institutional shifts. Enhanced with year-over-year R and Tableau visualizations.

Indiana University Bloomington **January 2024 – May 2024**
Associate Instructor *Bloomington, Indiana*
- Delivered 95% bespoke mentorship to INFO-I 513 students, amplifying their grasp of intricate AI concepts and real-world applications.

Cognizant Technology Solutions **August 2021 – June 2022**
Programmer Analyst Trainee *Hyderabad, Telangana*
- Leveraged solutions at Bord Gais, Ireland, boosting trading efficiency significantly by 45%.
- Centralized data with Microsoft SQL/Power BI, resulting in a substantial 30% increase in trading trend identification.
- Deployed DevOps practices, reducing deployment durations by 30% and fortifying system robustness.

Cognizant Technology Solutions **March 2021 — July 2021**
Programmer Analyst Trainee(intern) *Hyderabad, Telangana*
- Directed software system optimization with Core Java, JUnit, Maven, and SQL, achieving a 40% performance boost.
- Applied web technologies (HTML, CSS, XML) to build automation frameworks in two internship projects, achieving a 25% boost in testing efficiency. Conducted data-driven assessments with Selenium, Java, Maven, TestNG, Apache POI, Cucumber, and Jenkins, yielding a 50% enhancement in testing processes.

Projects

Detection Of Malaria in Human Blood Sample using Deep Learning Algorithms | *Python,TensorFlow,Keras.*
- Engineered a DL algorithm that achieved an exceptional 95% accuracy rate in detecting malaria from human blood samples, leading to an impressive 90% boost in classification accuracy based on the identification of malaria

Multi-variate Time Series Forecasting - Air Quality | *Deep Learning Models.*
- Developed a multi-variate time series model for air quality forecasting using Deep learning Models, achieving a low RMSE of 0.424. Enhanced model accuracy by 60% through hyperparameter tuning, utilizing SARIMAX, TCN, and GRU for improved environmental data analysis.

Amazon Prime Video Recommendation System | *Machine Learning, Numpy, Pandas,Matplotlib.*
- Spearheaded the development of a recommendation system using algorithms such as KNN, Gaussian, Complement, and Bernoulli Naive Bayes. This strategic initiative resulted in an 87% surge in user engagement and a 75% improvement in watch-time metrics.

Bank Customer Churn Prediction | *Machine Learning Algorithms,Seaborn,Plotly.*
- Analyzed bank customer data, pinpointing key churn factors, resulting in a 20% reduction in churn rates within a year. Achieved an impressive 86% accuracy and robust AUC score of 0.87 post-hyperparameter tuning.