Yaswanth Karri

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EDUCATION

Indiana University, Bloomington,IN | MS in Data Science | GPA : 4.0/4.0   *Jan 2021 - Dec 2022*
Andhra University, India | BE in Electronics and Communication | GPA : 3.5/4.0   *May 2015*

TECHNICAL SKILLS

Programming Languages: Python, R, Java, SAP ABAP, HTML, CSS, JavaScript
Database Technologies: PostgreSQL, MySQL, MongoDB
Frameworks/Tools: Spark, Kafka, Apache Airflow, React, Git, Docker, Amazon Web Service(AWS)
Data Visualization: Tableau, Power BI, Shiny
Libraries: Pandas, Numpy, PyTorch, Tenserflow, Keras, Matplotlib, Seaborn, Tidyverse, ggplot2, dplyr
Machine Learning: Classification, Regression, Clustering, Neural Networks, Forecasting, Recommendation systems

EXPERIENCE

Data Analyst (Research Assistant) | **Kelley School of Business** | *Bloomington,IN*   **May 2021 - Present**
- Extracted and analyzed data of IU Health to optimize resource allocation along the lines of nurse hiring and staffing, equipment usage, and surgical scheduling.
- Created Tableau and Power BI dashboards to provide insights on patient workload, arrival and discharge predictions in hospitals.

Data Engineer (Research Intern) | **Eli Lilly and Company** | *Bloomington,IN*   **Jan 2021 - Feb 2021**
- Used Machine Learning models for prediction of gene lines which are responsible for proliferation of cancer cells in a research project
- Orchestrated an ETL pipeline using Apache Airflow and containerized using Docker for scheduling, monitoring, and troubleshooting issues when needed.

Technology Analyst | **Infosys Ltd.** | *Hyderabad, India*   **Oct 2018 - Aug 2020**
- Developed predictive models for estimating customer lifetime value and probability of purchase of prospective customers which resulted in 21% increase in annual return on investment.
- Designed various interactive dashboards from multiple data sources using Tableau utilizing Dynamic filters, calculated fields and parameters, joins, Action fields, Maps, Trend Lines, bins, sets and hierarchies.
- Involved in exploratory data analysis, focusing majorly on identifying pattern outliers and data anomalies utilizing Visualizations. Used Python for Data Cleaning and transformations.

Senior Systems Engineer | **Infosys Ltd.** | *Hyderabad, India*   **Sept 2015 - Oct 2018**
- Involved in 2 complete software development life cycle implementations(ERP) with SAP ABAP covering the business modules relating to materials management,sales & distribution,Financial Accounting and Controlling.
- Reduced man-hours by 19% by developing a utility system for Data Migration and Data Uploads using RICEFW Objects (Reports,Interfaces,Conversions,Enhancements,Forms and Workflows).
- Increased database by 60 percent by scrapping over 100000+ product reviews and ratings which are stored on Amazon RDS.
- Identified bottlenecks in existing processes and reduced customer complaints which resulted in a 24% improved customer experience.

PROJECTS

DevConnector *(Node.js, React, Express, Redux, MongoDB)*   *May 2021 - Jun 2021*
- Built a full-stack social network application to help developers connect by incorporating features like authentication using JWT, state management, viewing profiles, publishing posts, and comments.

Face Generation - Generative Adversarial Networks *(Python, Pytorch, CNN)*   *April 2021*
- Generated realistic human faces to help researchers with more data using Neural Style Transfer.

Vehicle Detection using Mask RCNN *(Python, Tenserflow, Keras, OpenCV)*   *Mar 2021*
- Developed a Instance Segmentation model which can be used to get bounding boxes, classes and masks of different objects