Giri Chandragiri

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INTRODUCTION:

- Bringing 1.5 years of comprehensive experience in data science and data analytics, I am proficient in Python, R, SQL, Core Java and a suite of visualization and machine learning tools, AWS services.
- My background encompasses developing scalable data pipelines ETL, analytics projects, as well as software testing, where I have driven productivity improvements and fostered educational growth through the adept application of data science.

EDUCATION:

Master of Science, Data Science **Aug 2023 –May 2025**
University of New Haven **GPA: 3.73 / 4.00**

Bachelor of Engineering, Mechanical Engineering **Jul 2015 –May 2018**
St.Joseph's College of Engineering **GPA: 7.55 / 10.00**

Awards:

- I got **Dean's Scholarship** merit-based recognition by the University of New Haven for Academic Excellence.

SKILLS:

Programming Languages : Python, R, SQL, Core Java, Data Science, Data Analysis, MS Excel(pivot tables)
Data Management : NumPy, Pandas, Matplotlib, SQL Database, Database Design, ETL(Extract, Transform, Load)
Visualization Tools : Power BI Dashboards, Tableau Dashboards, Data Visualization, Slicers, Filters.
Machine Learning/Analytics: Linear Regression, Logistic Regression, Decision Trees, SVM, Random Forest, Vision Transformers, CNN, KNN, RNN, Reinforcement Learning, NLP, Large language Model (LLM), Computer Vision, AB Testing, Hypothesis Testing, Deep Learning, Machine Learning, Model Validation, Statistical Analysis, Predictive Analytics, Predictive Modeling.
Cloud & DevOps: AWS(Lambda, S3, RDS, IAM), GitHub, Cloud Computing, MLOps, Pyspark, TensorFlow, PyTorch, CI/CD pipelines, Cloud Platforms, Data Pipelines, Data Modeling, Statistics Analysis, EDA, Model Deployment, SparkSQL, Big Data, Neural Network, Data Processing, TensorFlow, Data Cleaning, AI, Hadoop, Databricks, Azure, Chatbot, Automation, Data Preparation, Data Structures, Data Integration, Data Accuracy, SAP, Data Insights, Docker, GCP, Jira, Test Rail.

EXPERIENCE:

Software Test Engineer, Indium Software Privates Limited, Chennai, India **Jul 2019 - Aug 2023**

- Having 4 years of experience in developing and writing test cases for web based and mobile applications.
- Managed SQL-based data retrieval and orchestrated ETL workflows using BI technologies, enhancing data-driven decision-making, and boosting organizational insights by up to 25%. Utilized Tableau and Power BI for Exploratory data analysis, identifying key trends that increased customer retention rates by 15%.

PROJECTS:

Employee Risk Attrition Assessment **Aug 2023 – Dec 2023**

- Analyzed the employee dataset, incorporating a Logistic Regression model to predict the likelihood of turnover. The model, applicable across departments, serves as a valuable tool for informed decisions in employee retention. Employees tend to leave when underworked (250hr/month or 10hr/day) also contributes to turnover.

Speech Recognition Using Hidden Markov Models (HMM) **Aug 2023 – Dec 2023**

- Developed a practical speech recognition system by applying HMMs, including a basic implementation of the model to process and decode speech signals, demonstrating proficiency in machine learning techniques and acoustic modeling.

Disease Prediction: Leveraging Support Vector Machines (SVM) and K-Nearest Neighbors (KNN) **Jan 2024 –May 2024**

- Successfully applied **Support Vector Classification (SVC)** and **k-Nearest Neighbors (KNN)** algorithms to the dataset, creating predictive models that accurately classify disease outcomes based on patients' symptoms, demographics, and health indicators. These models enable reliable disease diagnosis and risk stratification, aiding in clinical decision-making.
- Utilizing proximity-based reasoning (KNN) and hyperplane-based classification (SVC), the project demonstrated how predictive analytics can provide **personalized risk assessments** and improve **treatment planning**, thereby contributing to more tailored and effective patient care.

Customer Attrition Analysis **Jan 2024–May 2024**

- Designed and implemented efficient **ETL (Extract, Transform, Load)** pipelines to manage large volumes of customer data, including transactional records, demographics, and interaction logs. Ensured data was cleaned, transformed, and stored in a structured format to support seamless integration into machine learning models.
- Managed large-scale datasets using **relational databases (SQL)** and optimized data storage for faster querying and processing.