ANEESH KRISHNA

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EDUCATION

Master of Science in Data Science, University at Buffalo, The State University of New York, Expected December 2024

- Relevant Coursework: Statistical Learning and Data Mining, Machine Learning, Analysis of Algorithms, Intro to Probability Theory, Deep Learning, Python Programming and SQL, Data Models and Query Language.

Bachelor of Engineering in Computer Science, Visvesvaraya Technological University, July 2020

- Python Programming, Database Management System, Operating Systems, Big Data Analytics, Cloud Computing, Data Structures and Applications, Statistics.

SKILLS AND CERTIFICATIONS

- Programming Languages: Python, Javascript, C#, SQL, R, MATLAB, Javascript.
- Tools and libraries: Git, Jupyter, pandas, numpy, matplotlib, Tableau, seaborn, Microsoft Excel, Power BI, AWS, PowerApps, Microsoft Word and Excel.
- Industrial Skills: Agile methodologies, Data Visualization, Scrum Methodology, ETL.
- Certifications: Google Data Analytics Specialization, Python Programming in Coursera, Data Science and Business Analytics Course.

EXPERIENCE

Senior System Engineer, Infosys Ltd, Mysore, India: April 2022 - April 2023

- Developed SPFX (SharePoint Framework Extension) to replace outdated web-parts, reducing loading time by 30% and delivering effective solutions for enhanced performance.
- Monitored migration of 10 million+ files and metadata from 67 sites operating the Microsoft ShareGate tool to latest site, meeting the expectations of stakeholders.
- Introduced a Proof of Concept to demonstrate the use of SPFX in SharePoint Online sites for replacing outdated features of old SharePoint sites no longer in use.

System Engineer, Infosys Ltd, Mysore, India: October 2020 - April 2022

- Collaborated on a data migration project for a Fortune-50 client, moving 90+ sites from Microsoft SharePoint 2010 to the new SharePoint Online version in a streamlined pipeline.
- Spearheaded a team of five to redesign legacy sites using Angular, resulting in a 60% performance improvement and enhanced user interface in Agile Scrum environment.
- Developed PowerBI reports as well as dashboards to articulate the migration details with stakeholders, aiding in strategic planning of project phases.

PROJECTS

Exploratory Data Analysis and Machine Learning in Medical Informatics: Python, EDA, ML

- Accomplished 90% size reduction by data-cleaning, encoding (to JSON), and performing feature selection on a large dataset, leveraging libraries such as polars.
- Extracted healthcare insights, spotlighting gender and age-specific trends in diseases, post-operative complications, and hospital length of stay using Plotly, Matplotlib and Seaborn libraries.
- Developed predictive models for patient length of stay, attaining an 82% accuracy (R-squared metrics) through Gradient Boosted Trees after Bayesian hyperparameter optimization.

Loan Risk Prediction Model for Small Businesses: Python EDA, ML, SQL, ETL

- Performed preprocessing on initial Excel data, employing NoSQL to normalize the data and establish a relational database structure.
- Conducted EDA by querying data with SQLite, producing informative visualizations on business sector distributions and default rates using seaborn and plotly libraries.
- Implemented an ML model for classifying businesses' loan repayment likelihood, achieving a 93% accuracy rate with the Random Forest algorithm.