Aravind Bandipelli

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LinkedIn | GitHub | portfolio

Professional Summary

Motivated Master's student in Data Analytics with a strong foundation in data analysis, machine learning, and full-stack development. Experienced in Python, SQL, Power BI, Tableau, and Azure Cloud, with expertise in statistical analysis, data visualization, and predictive modeling. Proven track record of developing automated solutions and optimizing workflows, seeking opportunities in Data Analytics & Data Science roles.

Technical Skills

Programming & Analytics: Python (Pandas, NumPy, Scikit-learn), SQL, R, Excel (Power Query, VBA)
Data Visualization: Tableau, Power BI, Matplotlib, Seaborn
Machine Learning & AI: Regression, Classification, Clustering, NLP, Time Series Analysis
Databases & Big Data: MySQL, PostgreSQL, MongoDB, Spark
Cloud & Deployment: Microsoft Azure, Git, Docker, Kubernetes
Tools & Technologies: Jupyter Notebook, Google Colab, Scikit-learn, TensorFlow, .NET Core

Professional Experience

Systems Engineer | Infosys Ltd

📍 Nov 2021 – 2023

- Designed and implemented a GTFS process and approval management system, reducing financial processing time by 30% and enhancing customer satisfaction scores by 15%.
- Engineered and deployed a cloud-based full-stack finance application using Angular, .NET Core, SQL, and Web API, improving system scalability by 40% and reducing API response times by 25%.
- Developed RPA scripts and automation workflows that eliminated redundant financial data entry tasks, resulting in 900+ hours saved annually per process.
- Designed SQL-driven analytics models that enhanced cash flow forecasting accuracy by 20%, leading to faster resolution of 50+ finance-related cases per month.
- Created automation testing scripts using Selenium WebDriver and C#, reducing regression testing time by 35% and increasing test coverage by 50%.

Data Science Intern | Social Prachar

📍 Aug 2021 – Oct 2021 (6 weeks)

- Developed and optimized machine learning models using Scikit-learn and TensorFlow, improving classification accuracy by 12% on real-world datasets.

- Implemented CNN-based image classification models using OpenCV and TensorFlow, achieving 81% accuracy by optimizing hyperparameters and feature extraction.
- Performed exploratory data analysis (EDA) in Jupyter Notebook and Tableau, uncovering key data patterns that improved feature selection and model accuracy.
- Applied feature engineering techniques (PCA, polynomial features) to refine ML models, increasing prediction accuracy on unstructured data by 18%.

Projects

Characterizing and Predicting Early Reviewers for Product Marketing

- Led a team to analyze real-world e-commerce datasets for identifying early reviewers.
- Applied Naïve Bayes for sentiment analysis, achieving 79% accuracy in predicting product review sentiment.
- Developed a recommendation system based on review sentiment, improving user experience.

Technologies: Python, SQL, Scikit-learn, Tableau

Customer Segmentation Analysis

- Used K-Means clustering on customer transaction data to segment users and optimize marketing strategies.

Technologies: Python, Pandas, Scikit-learn, Tableau

Financial Data Analysis Dashboard

- Developed a Power BI dashboard to visualize key financial metrics, improving real-time decision-making.

Technologies: SQL, Power BI, Azure Cloud

Certifications

- Google Data Analytics Professional Certificate – Coursera
- Microsoft Certified: Azure Data Scientist Associate
- IBM Data Science Professional Certificate
- Infosys Certified Angular Professional
- Infosys Certified C# Programmer
- Infosys Certified .NET Microservices Developer
- Certified in Machine Learning Algorithms

Education

Master's in Data Analytics | Indiana Wesleyan University

📍 Present | CGPA: 3.825/4.000

🚀 Actively seeking Data Analyst & Data Science roles. Available for interviews.