ANIKETH MAHESH RAO

MSc. DATA ANALYTICS

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PROFESSIONAL SUMMARY

With a Master of Science degree in Data Analytics from the National College of Ireland, I have extensive hands-on experience in key technological areas that include Machine Learning, Python, SQL, and data visualization tools like PowerBI and Tableau. I am proficient in advanced Excel and project management tools such as Salesforce and JIRA. My time spent honing my ETL and database management abilities at Zycus Infotech Pvt Ltd has strengthened my analytical skills. I am excited to utilize my extensive knowledge of data analytics in a fast-paced environment, supporting strategic objectives with strong problem-solving, clear communication, and an excellence-focused leadership style.

EDUCATION

National College of Ireland, Dublin, Ireland   **Feb 2024**
MSc. Data Analytics
Relevant Modules – Database and Analytics Programming, Domain Applications of Predictive Analytics, Business Intelligence and Business Analytics, Data Mining and Machine Learning.

Don Bosco Institute of Technology (DBIT), University of Mumbai, **India**   **May 2021**
Bachelor of Engineering in Electronics and Telecommunications Engineering
Relevant Modules – Database Management System, Big Data Analytics, Computer Communication Network.

PROFESSIONAL EXPERIENCE

Product Analyst - Zycus, Mumbai   **May 2021 - Nov 2022**
- Efficiently diagnose and resolve technical issues related to the product, consistently meeting, or exceeding established turnaround time targets.
- Create, update, and maintain a comprehensive knowledge base of technical articles, troubleshooting guides, and FAQs to enhance the efficiency of support processes, while tracking Key Performance Indicators (KPIs) such as article utilization rates, customer satisfaction scores, and resolution time metrics
- Achieved a 25% reduction in incident resolution time by implementing streamlined troubleshooting processes and optimizing resource allocation.
- Increased the knowledge base repository by 40%, resulting in a 15% decrease in escalations and improved first-contact resolution rates.

TECHNICAL SKILLS

- Python (NumPy, Pandas), SQL (MSSQL, MySQL, PostgreSQL), MongoDB, Database Management System.
- Machine Learning, Computer Vision, EDA, Data Cleaning, Data Analysis, Data Engineering, Data Security, Data Governance, Data Visualization.
- Google Cloud Platform, AWS Cloud, MS Office Suite, Power BI, Meta base, Tableau.

INTERPERSONAL SKILLS

Time Management: Demonstrated exceptional skill in efficiently prioritizing client issues based on their impact, ensuring critical problems received immediate attention while maintaining a balance with less urgent matters along with effectively managing time-sensitive situations without compromising the quality of work.

Leadership and Teamwork: Acted as a mentor to junior team members, imparting insights, and best practices, which contributed to the team's growth and improved overall performance. Led cross-functional collaboration by fostering a collaborative environment between the client support and engineering teams, encouraging the open exchange of ideas to find innovative solutions.

Communication: Excelled in articulating technical issues to clients in a clear, non-technical manner, ensuring they understood the problems and solutions, also bridging the gap in technical understanding between teams and ensuring a smooth exchange of information to resolve issues efficiently.

ACADEMIC PROJECTS

Stock Market Prediction using Stacked LSTM   **Mar 2024 – April 2024**
- Developed stock market prediction project utilizing Stacked LSTM model for AAPL stocks, leveraging Tiingo API for data collection and conversion from JSON to CSV format.
- Conducted data preprocessing by reordering columns, implementing time-based train-test split for time series data, and creating sequences for LSTM input.
- Constructed a Stacked LSTM model with three LSTM layers followed by a Dense layer, predicting both test data and future stock prices, revealing significant decreases in AAPL stock price over 90 days.

Predictive Model for Pitstop Strategy in Formula 1 using Ensemble Learning   **Sept 2023 – Dec 2023**

- Designed and implemented a predictive model utilizing ensemble learning technique such as stacking to optimize pitstop strategies in Formula 1 racing, improving decision-making processes.
- Used web scrapping to integrate and analyse diverse datasets including historical race results, telemetry, tire degradation, and weather data to forecast pitstop timings and race positions.
- Build a model adaptable to user-defined parameters, demonstrating robust prediction accuracy and flexibility across various racing scenarios, enhancing strategic race planning.

Enhanced Retinal Image Classification Using Efficient Deep Learning Models   **Jun 2023 – Aug 2023**

- Developed and implemented advanced classification models, such as EfficientNETB3, to achieve precise categorization of retinal images into Normal, Diabetic Retinopathy, Cataract, and Glaucoma, with a high total accuracy of 92%.
- Conducted comprehensive model performance analysis, identifying EfficientNETB3 as the top-performing model with the highest accuracy, precision, and recall, demonstrating the ability to handle unseen data effectively.
- Generated detailed classification reports and visualized model performance, showcasing strong macro and weighted average F1-scores of 0.92, indicating balanced performance across categories and significantly contributing to improved patient care in the field of ophthalmology.

Web scraping to Data Analysis: Mobile Phone Market   **Feb 2023 – May 2023**

- Conducted comprehensive data analysis and predictive modelling using linear regression to understand factors influencing online smartphone purchases, including pricing, reviews, and market dominance of leading brands.
- Employed web scraping techniques to collect data from multiple sources, including web and public datasets, and transformed it into structured formats using Python, MongoDB, and MySQL.
- Collaborated effectively on the project using version control tools like GitHub, demonstrating strong teamwork and collaboration skills.

PROFESSIONAL COURSES

- Power BI for Data Science and Data Analytics   **Mar 2022**