ROHAN SREEDHARAN NAIR

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SUMMARY

Recent Master's in Information Technology graduate, eager to apply my knowledge in a dynamic workplace with challenging assignments. Seeking opportunities for career growth in an innovative and stable organization.

EDUCATION

Master of Science in Information Technology **December 2023**
Arizona State University, Tempe, AZ. 3.83/4.0 GPA

Bachelor of Engineering in Computer Engineering **October 2020**
University of Mumbai, Mumbai. 7.56/10 CGPA

TECHNICAL SKILLS

Languages: Python, SQL, NoSQL, MATLAB, HTML, CSS, Java, Javascript,
Libraries/Framework: Apache Spark, Pandas, Numpy, TensorFlow, Matplotlib, Scikit-Learn, Plotly, Seaborn, NLTK
Tools and Operating Systems: Jupyter Notebook, Google Collab, Visual Studio, Mongo DB, Couchbase, Microsoft Office, Excel, WordPress, AWS, OpenCV, Mage, Google Cloud Platform, Tableau, Power BI, Looker Studio, Windows, Linux, MacOS

PROFESSIONAL EXPERIENCE

VICC & Projects Pvt. Ltd, Mumbai. **October 2020 – March 2021**
Data Analyst

- Expertly utilized SQL and Python to optimize data processes: improved data retrieval speeds by 25% and streamlined data analysis workflows, enhancing overall productivity.
- Pioneered predictive models for service operations that enhanced efficiency by 30%.
- Demonstrated expertise in Tableau, crafting 20+ reports and dashboards that effectively communicated insights to stakeholders, leading to a 10% increase in data-driven strategic implementations.
- Spearheaded a cross-functional team initiative, implementing a data cleaning strategy that improved the data quality by 40%, ensuring more accurate analysis and reporting.

VICC & Projects Pvt. Ltd, Mumbai. **March 2021 – Dec 2021**
Chief Security Officer (CSO)

- Organized various safety protocols and crisis management for the organization in Mumbai Int Airport.
- Ensured compliance with federal regulations and industry standards.
- Regularly reviewed and updated security policies, procedures, and guidelines to align with changing security threats and emerging trends.

PROJECTS

Octagon Oracle – Prediction Model **December 2023**

- Engineered 'Octagon Oracle,' a UFC fight outcome predictive analytics tool, leveraging Python and pandas for advanced data manipulation.
- Conducted thorough data cleaning and processing on extensive datasets, establishing a comprehensive predictive model with rich features.
- Applied sophisticated analytical techniques to achieve a notable predictive accuracy of 70.56%, validating the model's effectiveness in fight outcome predictions.
- Demonstrated expertise in machine learning algorithms and the ability to derive meaningful insights from complex sports datasets, showcasing a strong aptitude for addressing data-driven challenges in fast-paced environments.

Sentiment-Analysis-of-Amazon-Product-Reviews **October 2023**

- Conducted comprehensive sentiment analysis of Amazon product reviews, utilizing Natural Language Processing (NLP) tools such as NLTK and VADER. Successfully achieved a high classification accuracy of 80.4%, indicating robust model performance in identifying and categorizing customer sentiments.
- Utilized Python libraries like Pandas for data processing and Seaborn for visualization, enhancing data analysis accuracy.
- Demonstrated a strong correlation between sentiment scores and product ratings, offering quantifiable insights into consumer opinions.
- Analyzed a comprehensive dataset from Kaggle, employing advanced NLP techniques to accurately interpret complex customer feedback patterns.

Asynchronous Interview Analysis (BE Final year project) **March 2020**

- Developed an end-to-end AI Interviewing system to recognize 7 types of emotions using TensorFlow AI engine.
- Implemented the Viola-Jones face detector based on Haar Cascades to obtain the frames for faces and designed a CNN trained on images from the Facial Emotion Recognition 2013 (FER 2013) dataset to predict the emotion.
- Constructed a questionnaire to determine the aptitude knowledge of the interviewee and analysis using OCEAN Analysis.
- Created an analysis of essay using NLP where the interviewee is graded based on his/her essay.

PUBLICATION

- Pratik Satpute, Rohan Nair, Vaibhav Pathak, Priyanka Bhilare. (Volume. 5 Issue. 4, April - 2020), “Asynchronous Interview Analysis", International Journal of Innovative Science and Research Technology (IJISRT)
https://www.ijisrt.com/asynchronous-interview-analysis