ARAVINTH SUBRAMANIAN

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SUMMARY

Detail-oriented and results-driven data analyst with hands-on experience in collecting, cleaning, and interpreting large datasets to drive business decisions. Proficient in SQL, Python, and data visualization tools such as Power BI. Skilled in identifying trends, creating reports, and delivering actionable insights that improve efficiency and profitability. Strong communicator with the ability to translate complex data into clear, meaningful stories for stakeholders. Committed to using data to solve problems and optimize business processes.

CORE SKILLS

- **Languages: Languages:** Python, R, scala, MySQL, NoSQL MongoDB, PostgreSQL, Java, JavaScript, MATLAB
- **Tools:** Power BI, Microsoft Excel, Jupyter Notebook
- **Machine Learning:** Pandas, NumPy, Scikit-learn, TensorFlow
- **Statistical Analysis**: Hypothesis Testing, Regression Analysis
- **Cloud:** Azure Fundamentals
- **Data Management:** Data Wrangling, Data Preprocessing, Data Modeling

Soft Skills
- Problem-Solving, Communication, Team Collaboration, Attention to Detail, Time Management

WORK EXPERIENCE

DATA SCIENCE INTERN   *Sep 2023 – Nov 2023 (3 months)*
EDVEDHA
India (remote)

- Analyzed and interpreted complex data sets to drive business insights and strategies.
- Developed and fine-tuned predictive models using python and SQL to enhance data-driven decision-making.
- processed and cleaned large volumes of data to ensure accuracy and consistency.
- Created compelling visualizations and detailed reports to effectively communicate findings to stakeholders.
- Collaborated with cross-functional teams to design and implement machine learning algorithms.

SPECIAL EVENT COORDINATOR   *May 2024 – Present*
The University of Kansas – Part Time
Lawrence, KS

- As a part-time Special Events Coordinator for the Athletic Department at The University of Kansas, I specialize in organizing and executing a variety of sports-related events.
- My responsibilities include planning and coordinating athletic competitions, sports festivals, and community outreach events that promote student engagement and school spirit.
- I manage event logistics, including venue setup, scheduling, and coordination with coaches and athletic staff. Additionally, I oversee volunteer teams, handle event marketing, and ensure compliance with safety regulations.
- This role has allowed me to develop strong organizational, communication, and leadership skills within a dynamic sports environment.

PROJECTS

DATA EXPLORATION USING SQL – *Personal Project – Lawrence, KS*   *April 2024*
- Used SQL to dig into extensive COVID-19 datasets, uncovering trends and patterns in infection rates, vaccination, and recovery statistics.
- Ensured data quality by cleaning and organizing raw information, making it ready for in-depth analysis and accurate reporting.
- Developed visualizations and reports to showcase key findings, helping to inform public health decisions and strategies based on the latest data.

DEVELOPING A COUNTERFEIT IC DETECTION SYSTEM – *College Project – Lawrence, KS*   ***May 2024***

- Developed a system to identify counterfeit integrated circuits (ICs) by applying computer vision techniques to analyze and compare IC features.
- Utilized image processing and machine learning algorithms to enhance the accuracy of counterfeit detection, ensuring reliable identification of genuine versus fake ICs.
- Tested and refined the system using real-world data, achieving high detection accuracy and reliability, which demonstrated the system's effectiveness in a practical setting.

TABLEAU VISULIZATION COVID 19 – *Personal Project – Lawrence, KS*   ***April 2024***

- Created an interactive Tableau dashboard to visualize COVID-19 data, allowing users to explore trends in infection rates, vaccination progress, and regional impacts.
- Consolidated data from various sources to provide a comprehensive view of the pandemic's progression, using data blending and filtering techniques for accurate reporting.
- Designed and implemented various visualizations such as heat maps, bar charts, and time series graphs to highlight key metrics and trends, aiding in data-driven decision-making and public health analysis.

SENTIMENTAL ANALYSIS USING NLP – *Undergrad Final year project – India*   ***May 2023***

- The project makes use of Natural Language Processing for sentiment analysis to determine how the public feels about a given good, service, or issue. The information is useful or strategic planning and decision-making.
- Utilized NLP techniques for data preprocessing, including tokenization, lemmatization, and removal of stop words, to prepare text data for accurate sentiment analysis.
- Created visualizations and reports to present sentiment trends and patterns, providing actionable insights into customer opinions and improving strategic decision-making.

EDUCATION

MASTER'S IN COMPUTER SCIENCE

 The University of Kansas   ***Jan 2024– Dec 2025***
GPA – 3.2
Lawrence, KS

BACHELOR'S IN COMPUTER SCIENCE AND ENGINEERING   ***Aug 2019 – May 2023***
Anna University, Chennai
GPA – 3.5
Chennai, India

CERTIFICATES

Python Basics for Data Science **–** *IBM*   ***July -2021***

Complete A.I. & Machine Learning, Data Science Bootcamp – *Udemy*   ***Dec – 2023***

CODING PLATFORMS

LeetCode - leetcode.com/u/Aravinth21/

- **Problem Solving:** Solved 21+ problems across various topics including Programming and databases.

HackerRank - **hackerrank.com/profile/Aravinthmani**

- **Achievements:** Achieved 4-star rating in Python and 5-star in SQL.
- **Competitions:** Participated in multiple coding challenges and hackathons, showcasing strong problem-solving skills.