SANTHOSH KUMAR SURESH KUMAR

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SUMMARY

Data science expert with proficiency in Power BI, Tableau, Apache Hive, Hadoop, DBMS, SQL and MS Excel. Skilled in developing and implementing end-to-end data analytical solutions, establishing data science standards, and conducting statistical analysis. Published multiple research papers. Experienced in creating databases, data collection systems, and analytics strategies, with a focus on interpreting data and identifying business trends to support faster decision-making.

EXPERIENCE

Data Analyst   Feb 2024 - April 2024
Office of Commissioner of Police Chennai, Tamil Nadu, India

- Developed a custom application for sentiment analysis on Twitter, reducing manual testing by 80%.
- Used SOAP protocol for web scraping to extract tweets efficiently.
- Integrated MBART for translating non-English tweets into English.
- Applied RoBERTa for sentiment analysis and prioritized complaints for targeted responses.

Data Scientist   Jan 2022 - Dec 2023
Tamil Nadu Civil Supply and Corporation, Chennai, Tamil Nadu, India

- Managed large datasets using Hadoop and Apache Hive.
- Optimized data collection systems, enhancing efficiency.
- Implemented data analytics strategies to improve processes.
- Analyzed big data to identify business trends for informed decision-making.

SKILLS

Software: Power BI, Tableau, Gephi, Jupiter Notebook, Pycharm, Apache Hive, Microsoft Office, PostgreSQL, Unity
Computer Languages: SQL, Python, R, HTML, CSS, JS
Competencies: Data Analytics, Data Visualisation, Machine Learning, Optimisation, Business Data Analysis, Data Mining, Data Science for Application, Big Data, Deep Learning, DBMS
Soft Skills: Communication, Adaptability, Curiosity, Critical Thinking, Problem Solving, Team Working, Research

EDUCATION

Master of Science in Data Science   Expected: May 2026
Lewis University, Romeoville, IL   GPA: 4.0

Bachelor of Technology in Artificial Intelligence and Data Science   May 2024
Panimalar Engineering College, Chennai, India   GPA: 9.16/10

PROJECTS

- **AI Integration In Combat Vehicles**: Developed an autonomous robot car for surveillance in restricted areas, capable of detecting trespassing activities and transmitting photos along with location coordinates.
  - Tools Utilized: Python, Arduino UNO
- **Sentiment Analysis Application**: Created a comprehensive sentiment analysis application that performs web scraping of tweets, analyzes sentiment, and categorizes the results.
  - Tools Utilized: Python, Large Language Models (LLM)
- **Uber Data Analytics**: Developed a user data analysis application that processes and analyzes user behavior data, extracting insights to inform strategic decisions.
  - Tools Utilized: Python, Google Cloud Platform (GCP), BigQuery, Looker Studio

HONORS AND CERTIFICATIONS

Certifications: Microsoft Power Platform fundamentals, Microsoft Azure AI fundamentals, Microsoft Azure fundamentals, Preparing Data for Analysis with Microsoft Excel, Harnessing the Power of Data with Power BI, Data Analysis and Visualization with Power BI

Publications:

- Optimizing Healthcare Delivery with Seamless Integration of Clinical Decision Support EHR Systems.(click)
- Revolutionizing Transportation Insights using GCP Services in Uber's Data Analytics.(click)
- AI Integration In Combat Vehicles.(click)