**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](https://www.credly.com/badges/76528a6d-1bb4-4583-bd08-a6ddfbd9ffef/public_url), [Microsoft Azure AI fundamentals](https://www.credly.com/badges/96ffbcf3-7eaf-4341-ac6e-50b58ccfdde9/public_url), [Microsoft Azure fundamentals](https://www.credly.com/badges/814e4fc2-ba6d-41b5-88a2-7d0f21e89b64/public_url),[Preparing Data for Analysis with Microsoft Excel](https://coursera.org/share/9decf69dbca9ec128e16225a5015944d), [Harnessing the Power of Data with Power BI](https://coursera.org/share/114b3a7cc9cbd98058b6a50095644a16), [Data Analysis and Visualization with Power BI](https://coursera.org/share/3ad39c81993d861abcc178cbbcce58c6)

**Publications:**

* Optimizing Healthcare Delivery with Seamless Integration of Clinical Decision Support EHR Systems.[(click)](https://docs.google.com/document/d/18xMZfwfU3f7F1fi8jCix9srM-dq0NWDgX8w4a0HwbNw/edit?usp=sharing)
* Revolutionizing Transportation Insights using GCP Services in Uber's Data Analytics.[(click)](https://docs.google.com/document/d/17ZysFlLi6YkHahSl6qNx77PiAyohtXBai_mJ5dghdC0/edit?usp=sharing)
* AI Integration In Combat Vehicles.[(click)](https://docs.google.com/document/d/1vw8uy1aHhxFpbe2nQn8dgk7DOQeLLLEoHti62nPMYp4/edit?usp=sharing)