


Kamatchi Thangaraj

Data Scientist

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An **aspiring Data Scientist**. Practiced **professional** with experience, applying real-world research and data science in business setting. Meticulous **SQL Developer** with expertise in processing data and knowledge of various flowcharting techniques. Possess good understanding of **database** structures, theories, principles, and practices with fine problem-solving and analytical skills. Eager team **collaborator** with strong **work ethic** and drive to **achieve goals**.

EXPERIENCE

Data Science | IIT-M Advanced Programming Professional & Master Data Science | Chennai

May 2024 - May 2024

- Conducted Exploratory Data Analysis.
- Compiled, cleaned and manipulated data for proper handling.
- Developed and implemented data science models using Python libraries such as Pandas, NumPy, and Scikit-Learn.
- Constructed web-based applications that allow users to interact with the data science models and results.
- Developed NLP pipelines for text pre-processing and topic classification.
- Analyzed large volumes of textual data using statistical methods such as TF and IDF scores.
- Designed experiments to evaluate the performance of various NLP models on different datasets.
- Created Interactive Data Visualizations using tools like Power BI.
- Clearly explained the insights through the visualizations done using matplotlib and seaborn libraries.
- Designed compelling visualizations, dashboards, reports, and presentations.

Associate Data Engineer | Steerwise Inc. | Coimbatore

Jul 2022 - May 2023

- Worked in PostgreSQL Backend Development, along with Testing and Defect Management.
- Analyzed "Hydrocarbon Exploration Data" from Railroad Commission of Texas to draw useful insights based on the client's needs.
- Supported the product development team with preparing sample source data in MS Excel spreadsheets
- Gained basic working knowledge in Big Query, GCP, Azure DevOps, Scala, and Apache Spark.
- Proactively identify data issues and trace the end-to-end process to determine the root cause
- Perform ad hoc analysis and research for stakeholders
- Propose solutions and strategies to tackle business challenges

ETL Tester | Tata Consultancy Services | Chennai

Jul 2011 - Feb 2014

- Designed the unit test plan based on the Business Interface Design (Insurance data).
- Created detailed documentation of all findings from ETL application tests performed.
- Conducted unit, integration, system, regression, and performance testing for ETL applications.
- Identified discrepancies between source and target systems during ETL process testing cycles.
- Collaborated with developers in resolving issues identified during testing phases of projects.

SKILLS

SQL (Programming Language), IBM InfoSphere (ETL Tools), Microsoft Visual Studio, PostgreSQL, Machine Learning, Power BI, Pandas, MongoDB, MySQL, Data Analytics, Natural Language Processing, Computational Thinking, Data Visualization, Python, Data Analysis, Data Mining, Data Manipulation

PROJECTS

Data Science

Nov 2023 - Apr 2024

1. YouTube Data Harvesting and Warehousing Using SQL and Streamlit, MySQL, and MongoDB.
2. PhonePe Pulse Data Visualization and Exploration: A User-Friendly Tool Using Streamlit and Plotly - Using GitHub Cloning, Python, Pandas, MySQL, mysql-connector-python, Streamlit, and Plotly.
3. BizCardX: Extracting Business Card Data with OCR - Using OCR, Streamlit GUI, SQL, and Data Extraction.
4. Industrial Copper Modeling - Using Python scripting, Data Preprocessing, EDA, Streamlit.
5. Singapore Resale Flat Prices Predicting - Using Data Wrangling, EDA, Model Building, Model Deployment.
6. Toxic Tweets Dataset - An NLP Model Development Project.

Data Engineer

Jul 2022 - May 2023

Data Mining, Cleansing, Normalization/Denormalization, Creating Data Flow Charts, Product development pipelines

EDUCATION

Nov 2023 **Master Data Science -> GUVI Geek Networks**

- Apr 2024 IIT-M Advanced Programming Professional & Master Data Science

Aug 2007 **B Tech -> Government College Of Technology, Anna University, Coimbatore**

- May

2011

WEBSITES & SOCIAL LINKS

[LinkedIn](#)

COURSES

May 2024 **Agile Fundamentals at Guvi Geek Networks**

Jul 2024

Apr 2024 **MongoDB at Guvi Geek Networks**

Jul 2024