Maniarasan J

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Professional Summary

Agile, resilient, and disciplined individual with strong problem-solving skills, a collaborative mindset, and a passion for continuous learning. Currently pursuing MCA at Christ University with a solid foundation in data science, machine learning, and Python programming. Seeking an entry-level role in data science, data engineering, or data analytics to contribute meaningfully in a dynamic professional environment.

Education

Christ University   Bengaluru, India
Master of Computer Applications (MCA)   *Jun 2025 – Present*

Sri Ramakrishna College of Arts & Science   Coimbatore, India
B.Sc. Computer Science with Data Analytics | CGPA: 7.95 / 10   *Aug 2022 – May 2025*

Technical Skills

Languages: Python (Advanced), SQL/MySQL (Intermediate), Java (Intermediate), C
Libraries & Frameworks: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn
Machine Learning: Classification, Regression, Clustering, NLP, Neural Networks
Tools: Power BI, Excel, Git, GitHub, Jupyter Notebook, VS Code
Concepts: Statistics, DBMS, DSA, Descriptive & Predictive Analytics

Projects

Crime Data Analysis & Perpetrator Identity Prediction | Python, Scikit-learn   *GitHub*
- Designed an ML pipeline to analyze historical crime records and predict perpetrator identity from crime scene attributes.
- Applied feature selection, model evaluation, and classification algorithms to improve prediction reliability.
- Demonstrated practical use of AI in law enforcement by translating raw data into structured, decision-ready outputs.

Reddit Streamlit Dashboard: ETL | Python, Streamlit, Reddit API   *GitHub*
- Built a real-time Reddit analytics dashboard performing ETL pipelines, sentiment tracking, and interactive trend visualization.
- Integrated Reddit API to extract live post data, applied NLP-based sentiment analysis, and displayed insights via Streamlit.

E-Commerce Customer Churn Prediction | Python, Scikit-learn, Pandas   *GitHub*
- Built a supervised machine learning classification model to predict customer churn, achieving **85% accuracy**.
- Performed exploratory data analysis, feature engineering, and hyperparameter tuning to optimize model performance.
- Delivered actionable insights to simulate retention strategies, supporting business growth and reducing customer loss.

Assessing the College Campus Experience | Python, Excel   *GitHub*
- Conducted a student satisfaction survey; cleaned and analyzed 150+ responses to identify key drivers of campus experience.
- Performed descriptive analysis and visualization to surface actionable trends for data-driven institutional improvements.

Certifications

- **Data Mining and Warehousing** | TCSiON   *Nov 2023*
- **Data Analytics and Reporting** | TCSiON   *Oct 2024*
- **Data Modeling and Visualization** | TCSiON   *May 2024*
- **Big Data Analytics – Advanced** | TCSiON   *Mar 2025*
- **NQT – Cognitive Assessment** | TCSiON   *Mar 2025*

Achievements & Activities

- Served as a **Core Committee Member** of **Labyrinth**, the official Computer Science club of Christ University, contributing to tech events, workshops, and community initiatives.
- Maintained a strong academic record with a **7.95 CGPA** throughout undergraduate studies.
- Completed **5 industry-recognized certifications** in data analytics and big data through TCSiON platform.
- Solved programming challenges on **HackerRank**, strengthening Python and SQL problem-solving proficiency.
- Developed strong written and verbal communication skills through academic presentations and survey-based research projects.
- Passionate about Astronomy and science communication; regularly explores intersections of data science with real-world domains.