Subramanian S

M. Sc Decision and Computing Sciences (Integrated)

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📍 Coimbatore,India

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🔗 Portfolio

Education

M.Sc Decision and Computing Sciences	2021 – present
Coimbatore Institue of Technology	Coimbatore, India
CGPA - 8.36	
HSC	2020 – 2021
Lisieux Matriculation Hr. Sec. School	Coimbatore, India
Percentage - 88%	
SSLC	2018 – 2019
Lisieux Matriculation Hr. Sec. School	Coimbatore, India
Percentage - 87%	

Soft Skills

- Time management
- Team Player
- Adaptability
- Coordinating

Technical Skills

- Python
- Database: MySQL
- Tools: Power BI, MS Office
- Machine learning

Areas of Interests

- Data Visualization
- Machine learning
- Business Analytics
- SQL

Certificates

- Data Visualisation: Empowering Business with Effective Insights 🔗
- Introduction to Machine Learning 🔗
- Python - Mastering the essentials 🔗
- Great Learning: React JS Tutorial 🔗
- Great Learning: Analytics with SQL and Python 🔗

Projects

Automated Candidate Selection 🔗

- Developed a Flask-based Python application employing Linear Regression and Random Forest models for candidate selection, achieving an accuracy of 83%.
- Streamlined the hiring process by automating resume analysis and big 5 personality assessments, enhancing efficiency and accuracy in talent acquisition.
- Enhanced candidate experience through personalized email notifications to successful applicants, improving communication and overall recruitment effectiveness.

Global Electronics Retailer Data Warehouse Model 🔗

- Built a data warehouse for a global electronics retailer, exploring various schema models (star, snowflake, fact constellation) to optimize data organization for analysis.
- Implemented Online Analytical Processing (OLAP) techniques like drill-up/down, slicing, and dicing. This allows users to explore the data at different granularities and isolate specific segments
- Delivered valuable business intelligence through visualizations and OLAP techniques

Movie Review Text Mining Analytics 🔗

- Built an application that scrapes reviews, analyzes sentiment (positive/negative/neutral), and calculates metrics like precision and recall.
- Reviews are cleaned, summarized, and displayed alongside a word cloud highlighting key terms.
- Users can search for specific keywords within the reviews, aiding in focused analysis.

Transportation Problem 🔗

- Created a Python-based logistics optimization tool with Tkinter framework, integrating North-West Corner, Least Cost, and Vogel's Approximation Methods, achieving a 95% accuracy rate.
- Utilized integer programming techniques to optimize transportation logistics, resulting in a 25% reduction in costs and enhanced resource allocation efficiency.
- Streamlined supply chain management processes, delivering significant operational improvements and cost savings through advanced optimization algorithms.

Professional Experience

Data Analyst at Prodigy InfoTech 🔗
2023/12 – 2024/01
Remote

ML Intern at CodSoft 🔗
2024/01 – 2024/02
Remote

Software Development Intern 🔗
2024/07 – present
Coimbatore, India

Workshop

Grant Thornton Lean Six Sigma Yellow Belt - Grant Thornton 🔗
National Institute of Technology, Tiruchirappalli

Conversational Data Analytics - Latentview 🔗
National Institute of Technology, Tiruchirappalli