Subramanian S

M. Sc Decision and Computing Sciences (Integrated)

subramanian160104@gmail.com

Coimbatore,India

https://github.com/S-Subramanian-44

+91 8072744511

https://www.linkedin.com/in/subramanian-s-ab94302a1/

Portfolio

Education

M.Sc Decision and Computing Sciences 2021 – present
Coimbatore Institue of Technology Coimbatore, India
CGPA - 8.20

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
- Adaptability
- Team Player
- Coordinating

Technical Skills

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

Areas of Interests

- Data Visualization
- Business Analytics
- Machine learning
- SQL

Professional Experience

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

ML Intern at CodSoft 2024/01 – 2024/02

Certificates

- Data Visualisation: Empowering Business with Effective Insights
- Introduction to Machine Learning
- Python - Mastering the essentials
- Great Learning: Data Visualization using Tableau
- 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.

Workshop

Grant Thornton Lean Six Sigma Yellow Belt - Grant Thornton

National Institute of Technology, Tiruchirappalli

Conversational Data Analytics - Latentview

National Institute of Technology, Tiruchirappalli