JAGATH VISHNU S V

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EDUCATION

B.TECH Artificial Intelligence and Data Science - Sri Eshwar College of Engineering |

CGPA :7.94 (upto 2nd sem)   2023 -2027

HSC – JSS PUBLIC SCHOOL | 74.62%   2023-2021
SSLC –JSS PUBLIC SCHOOL | 75.6%

PROJECTS

JOB SCRAPING AND LISTING - Developed a Python-based job scraping tool to automate the extraction of job listings from multiple websites, and efficiently filtered and displayed relevant job opportunities based on specific criteria. **Result:** Increased job search efficiency by 50%.
Key Skills: Python, Web Scraping, Automation

MEDICAL COST FORECASTING - Developed a machine learning model to predict medical expenses using patient demographics and health indicators. Achieved an **R-squared of 0.9663**, demonstrating high model accuracy, and reduced prediction errors with an **RMSE of 2249.33**. Improved model performance using **gradient boosting algorithms** and advanced feature engineering
Key Skills: Python, Scikit-learn,Gradient Boosting

CLIMATE TRACKER AND RESOURCE UTILIZATION – Developed a Java-based console application to monitor and track climate data (temperature, humidity, rainfall) and resource utilization (water, electricity, gas). Implemented features include data storage, retrieval from a MySQL database, alert notifications for anomalies, and report generation for climate trends and resource usage. Designed with a focus on modularity, error handling, and efficient database interaction using JDBC.
Key Skills: Java, MySQL, JDBC

MULTIMEDIA STEGANOGRAPHY: CONCEALING INFORMATION IN AUDIO, VIDEO, IMAGE, AND TEXT FILES - Developed an end-to-end steganography system for secure data embedding and extraction in multimedia files. Ensured data confidentiality while maintaining media quality using optimized encoding algorithms. **Result:** Improved information security standards in data-sensitive environments.
Key Skills: Python, Cryptography, Digital Media Processing

CERTIFICATIONS

Mastering Data Structures & Algorithm Using C/ Cpp	-- Udemy
Networking Basics	-- Cisco
Supervised Machine Learning: Regression and Classification	-- Coursera
Data Analytics Essential	-- Cisco
Basics of python	-- Infosys

COMPETATIVE PROGRAMMING

Leetcode	: Rank - 256646	Solved 334+ problems	Contest rating - 1383 profile
Hackerrank	: 5 star in C	CPP |Java	Python	Sql	profile
Codeforces	: Participated in Codeforces Rounds with a focus on problem-solving	profile
Skillrack	: profile

SKILLS

Languages	- C	Python	Cpp	Html	Css	Javascript	Sql	Java
Frameworks	- Pandas	NumPy	Scikit-learn	Matplotlib
Core Concepts	- Data Structures	Algorithms	Object Oriented Programming
Tools	- VScode	Jupiter Notebook	Code blocks	Tableau	PowerBI

ACHIEVEMENTS

- Secured 1st place in Industry Ingnited Code Fiesta 2024 – C at Sri Eshwar College of Engineering .
- Participated in Tata Imagination Challenge 2024 .
- Participated in Tata 's Codevita 2024 Global Coding contest.