EBER JOHNS C D

C/C++ | Python | JavaScript | Bash | AI | Backend

@ eberjohnspro@gmail.com https://www.linkedin.com/in/eber-johns-c-d/
https://github.com/eberjohns Thrissur

SUMMARY

About Me!I'm a technophile passionate about the digital world, with a particular focus on software development, artificial intelligence, machine learning, and object-oriented programming. My journey is driven by a deep-seated curiosity to explore and innovate in the ever-evolving landscape of technology.

In today's tech landscape, understanding AI is becoming increasingly vital, so I'm also dedicated to gaining proficiency in this area.

EDUCATION

Bsc Computer science Honours, Computer Science

St. Thomas' College (Autonomous), Thrissur

07/2024 - 05/2028

Higher secondary education, Computer Science

GMBHSS Thrissur

06/2022 - 03/2024

PROJECTS

Huffman Compressor/Decompressor

Present Thrissur, Kerala, India

Developed a command-line Huffman Compressor and Decompressor in C, implementing the classic Huffman coding algorithm for efficient file compression.

This project showcases proficiency in:
• Data Structures & Algorithms: Built from scratch using min-priority queues, binary trees, and advanced tree traversal techniques.
• Low-Level File I/O: Mastered bit-level operations for optimal binary data packing and unpacking.

https://github.com/eberjohns/huffman_project

AtmoSphere

Present Thrissur, Kerala, India

AtmoSphere is a personalized climate analysis tool that empowers users to plan outdoor activities with confidence, months or years in advance. We developed a web application that transforms over 40 years of NASA's POWER project data into a simple, actionable "Comfort Score." Our app directly addresses the challenge by allowing users to define their own personal comfort profile for temperature, wind, rain, and humidity, and even weight which factors are most important to them. Using an interactive map, users can analyze a specific point or an entire region, like a hiking trail. This is important because it replaces generic "average weather" with a personalized, data-driven likelihood of a location matching what you consider a perfect day, reducing uncertainty and making long-term planning easier for everyone.

https://github.com/eberjohns/atmo-sphere.git

KEY ACHIEVEMENTS

Efficient Compression Algorithm

Increased compression efficiency by 25% with optimized Huffman algorithm.

Team Leadership Experience

Led team of 5 in developing AtmoSphere climate analysis tool.

LANGUAGES

English
Advanced

Hindi
Advanced

Malayalam
Advanced

CERTIFICATION

TCS iON Career Edge - Young Professional
TCS iON

Data Structures in C
Great Learning

Google IT Automation with Python Professional Certificate
Google

Artificial Intelligence Fundamentals
IBM

Prompt Engineering for Everyone
Cognitive Class

Python Essentials 1
Cisco