

Projects

Heart Disease Predictor | *Machine Learning*

Dec 2024 - Dec 2024

- Machine Learning Model: Predicts heart disease using logistic regression with three features
- User Input & Validation: Ensures correct age, cp, and thalach range values
- Flask Web Interface: Displays prediction result based on user-submitted health data
- Error Handling & Robustness: Catches missing datasets, training failures, and input mistakes

Data Visualization | *Tableau*

Nov 2024 - Nov 2024

- Designed an interactive Tableau dashboard with dynamic visualizations to highlight UEFA football trends
- Implemented an efficient ETL pipeline for data extraction, cleaning, and transformation from reliable sources
- Analyzed and presented insights on country dominance, club performance, and player achievements
- Enhanced user engagement through intuitive navigation and visually appealing dashboards

Tic Tac Toe | *C++*

Jul 2024 - Aug 2024

- Developed an AI opponent using the Minimax algorithm for optimal move selection
- Efficiently managed board states with a 2D matrix, ensuring seamless gameplay
- Integrated constraint-checking logic to ensure valid entries, reducing unnecessary computations. Enhanced solution performance to handle edge cases and invalid inputs seamlessly
- Developed the project in C++, showcasing proficiency in object-oriented programming and algorithm design

Certificates

Data Analysis with Tableau

Oct 2024 - Nov 2024

Coursera -- <https://www.coursera.org/account/accomplishments/certificate/KV6D522M7M72>

Supervised Machine Learning: Regression and Classification

Oct 2024 - Nov 2024

Coursera -- <https://www.coursera.org/account/accomplishments/certificate/9GUOSEVMOD5T>

Complete Interview Preparation - Self-Paced (C++) by GFG

May 2024 - Jul 2024

GFG -- <https://media.geeksforgeeks.org/courses/certificates/0876a97e1f80f774af6c574a3117a14a.pdf>

R Programming

Mar 2024 - Apr 2024

Coursera -- <https://www.coursera.org/account/accomplishments/certificate/V5MH2PXS9E8>

Programming in C++: A Hands-on Introduction

Jan 2024 - Feb 2023

Coursera -- <https://www.coursera.org/account/accomplishments/specialization/certificate/TQT7Q9EYTVG9>

Technical Skills

Languages C++, Java, R

Technologies/Frameworks: Tableau, Git, GitHub, R Studio

Skills: Data Structures and Algorithms, Problem-Solving

Soft Skills: Creative Thinking, Teamwork, Time Management

Education

Lovely Professional University Punjab

Since 2022

Computer Science and Engineering — CGPA: 7.56

Jalandhar, Punjab

Central Academy Senior Secondary School

2020 – 2021

12th with Science — Percentage: 94.60%

Prayagraj, Uttar Pradesh

Central Academy Senior Secondary School

2018 – 2019

10th with Science — Percentage: 91%

Prayagraj, Uttar Pradesh