

TANYA AGGARWAL

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Education

Graphic Era Hill University, Dehradun

2022 - 2026

B.Tech in Computer Science & Engineering

7.2/10 CGPA

Projects

“ENDLESS RUSH”: Default Runner Fast Paced Action Game...

Designed a running game using HTML, CSS, and JavaScript that can be played on multiple devices.

“A Compact C Compiler in Java Script”.

The main goal of this project is to design and implement a lightweight Mini C Compiler using JavaScript. This compiler takes in a subset of C-like code—including variable declarations, arithmetic expressions, control flow (if, else, while), and return statements—and compiles it through several compiler phases: tokenization, parsing, semantic analysis, and execution. It is designed to be interactive, allowing users to input code directly through a browser interface.

“Diabetes Detection using ML”.

This Diabetes Detection System uses Machine Learning to predict the likelihood of diabetes based on medical data. It leverages algorithms like Logistic Regression, Decision Trees, or Neural Networks to analyze patient health parameters such as glucose levels, BMI, and blood pressure. The model helps in early diagnosis, assisting healthcare professionals in making informed decisions.

Technical Skills

Languages: C, C++, Java, Javascript, HTML, CSS, SQL

Tools: GitHub, AWS

Libraries: ReactJS, Next.js, Node.js, MySQL

Platforms: Ubuntu, Windows, VS Code, Git

Developer Tools: VS Code, GitHub

Soft Skills

Time Management: – Successfully managed multiple academic projects while contributing to online coding platforms.

Problem Solving: Demonstrated through solving and sharing 150+ optimized coding solutions and participating in competitive programming.

Extra Circular Activities

Coding Club Member: Graphic Era Hill University– Participated in hackathons and coding competitions, contributing to problem-solving discussions..

Leetcode Contributor: Achieved 100 days of regular problem solving badge on leetcode..