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SUMMARY

Passionate B.Tech – M.Tech student in Computer Science & Engineering at National Forensic Sciences University, Gandhinagar. Skilled in C, C++, Java, Android development, HTML, CSS, and Python, with a strong foundation in software development and programming.

In addition to my academic pursuits, I have a creative side that extends to graphic design and video editing. I enjoy utilizing these skills to create visually compelling content that effectively communicates ideas and stories.

With a strong curiosity and desire to learn, I actively seek opportunities to expand my knowledge, engage in practical projects, and collaborate with like-minded individuals. I am open to exploring internships, research opportunities, and industry connections that align with my interests.

Let's connect and explore ways we can collaborate in the exciting fields of computer science, forensic sciences, or any other projects that combine technology, creativity, and a drive for excellence.

EXPERIENCE

GDSC Lead

Google Developer Student Clubs

July 2023 – Present, Gandhinagar, Gujarat, India

PROJECTS

CGPA Calculator with UI and Realtime Leaderboard

May 2023 – Present

The CGPA Calculator App is a mobile application designed to help students calculate their cumulative grade point averages (CGPAs) conveniently. With a user-friendly interface and real-time leaderboard, this app aims to simplify CGPA calculations and foster academic competition.

Features: GPA Calculation: Users can input their grades and credit hours for each course to calculate their CGPA accurately. The app supports multiple grading systems. Real-Time Leaderboard: Users can create profiles and track their CGPAs on a global leaderboard, fostering healthy academic competition and motivation. User-Friendly Interface: The app offers a clean and intuitive interface for easy grade input and leaderboard viewing.

Future Enhancements: Grade Prediction: Adding a feature to predict future CGPAs based on ongoing courses. Goal Setting: Allowing users to set academic goals and track their progress. Course Management And UI enhancements.

Conclusion: The CGPA Calculator App with Real-Time Leaderboard System simplifies CGPA calculations and encourages academic competition. It provides a user-friendly interface and real-time leaderboard for users to track their CGPAs and compete with peers

I am currently working on this project so it may have some flaws and bugs which may be fixed in the future.

Advanced Calculator In C

This is a simple yet functional calculator with a lot of functionality. This will be helpful for most of daily calculation needs. This program includes functionality of sine, cosine (without the use of math.h library), quadratic equation solver, arithmetic geometric progression, binary converter, polynomial differentiation apart from the basic addition, multiplication, subtraction and division. There is also BMI Calculator as well as Unit Converter. This would be helpful as tasks like binary conversion, quadratic equation solver, Mathematical equations solver which aren't generally present in an ordinary scientific calculator.

Basic Tic Tac Toe With Computer Opponent

The Basic Tic Tac Toe Game project is a simple implementation of the classic pen-and-paper game. It allows players to compete against each other or play against a basic computer opponent. Features: Game Modes: Player vs Player: Two human players can take turns and compete against each other on the same device. Player vs Computer: Users can challenge a basic computer opponent and play against it. Console Interface: The game is played on the console, displaying the game board and accepting user input through the command line. Input Validation: The project validates players' moves to ensure they are within the boundaries of the game board and that they select unoccupied positions. Simple Computer Opponent: The computer opponent in the Player vs Computer mode makes random moves on the game board. It does not employ any advanced strategies. Game State Tracking: The project keeps track of the game's state, including the current player's turn, the moves made, and determines the winner or a tie. Replayability: Players can easily start a new game after completing one round. The program prompts users to play again or exit. Overall, the Basic Tic Tac Toe Game project provides a straightforward implementation of the game, allowing players to compete against each other or play against a basic computer opponent. The console interface, input validation, game state tracking, and replayability features ensure a functional and enjoyable gaming experience.

CGPA Calculator with Data Storage

CGPA Calculator and Data Storage This project is a comprehensive CGPA (Cumulative Grade Point Average) calculator and data storage system, designed specifically for organizations to efficiently calculate and store CGPA data for various classes. The entire system is written in C++, utilizing file handling for seamless data storage and retrieval. **Key Features:** **CGPA Calculation:** The program provides a user-friendly interface to input and calculate CGPA for individual students, based on their grades and credit hours. **Organization-wide Data Management:** The system allows organizations to store CGPA data for multiple classes, ensuring easy access and management of student records. **File Handling:** The project employs efficient file handling techniques to store data persistently, eliminating the risk of data loss and facilitating seamless data retrieval and updates. **Flexible Input:** Users can input grades and credit hours using various grading scales and credit hour systems, ensuring adaptability to different educational institutions' requirements. **Data Validation:** The program incorporates robust validation mechanisms to ensure the accuracy and integrity of the entered data, minimizing errors and inconsistencies. **Usage:** Input the necessary information, such as student names, total marks, obtained marks and subject wise credits allotted. Calculate CGPA for individual students or entire classes. Store and retrieve CGPA data using efficient file handling techniques. Analyze and visualize CGPA data through graphical representations and statistical analysis. This CGPA calculator and data storage system in C++ offers organizations a reliable and efficient solution for managing CGPA data across multiple classes, streamlining administrative processes, and providing valuable insights into student performance.

[App]CGPA Calculator Application

The CGPA Calculator is a versatile Android application designed to assist students in calculating their Cumulative Grade Point Average (CGPA) using either grades or marks. Whether you are a high school student, college student, or university student, this app provides a convenient and efficient way to determine your academic performance. **Features:** **Easy-to-Use Interface:** The app offers a user-friendly interface with intuitive navigation, ensuring a seamless experience for all users, regardless of their technical proficiency. **Grade-based Calculation:** Students who receive grades can input their subject grades into the app. It supports various grading systems such as letter grades (A, B, C, etc.), numerical grades (4.0, 3.5, 3.0, etc.), or custom grading scales used by specific educational institutions. **Marks-based Calculation:** For students who receive marks in each subject, the app allows inputting the individual marks obtained in each subject. This option accommodates educational systems that use marks instead of grades. **Real-Time Calculation:** As soon as the user inputs the grades or marks, the app performs real-time calculations to determine the CGPA. This immediate feedback allows students to track their progress throughout the semester or academic year. **Result Summary:** The app generates a comprehensive summary of the calculated CGPA.

EDUCATION

Bachelor of Technology – BTech, Computer Science and Cyber Security

National Forensic Sciences University Gandhinagar • August 2027

CERTIFICATIONS

Fundamentals Of Cloud Computing

upGrad • 2023

Ethical Hacking Essentials

EC-Council • 2023

Introduction to Cyber Security

Cisco • 2023

Introduction to Data Science

Cisco • 2023

Intro to Machine Learning

Kaggle • 2023

Intro to Python

Kaggle • 2022

SKILLS

Industry Knowledge: UI/UX, Android Development

Tools & Technologies: Firebase, C (Programming Language), Python (Programming Language), Cascading Style Sheets (CSS), HTML, Java Programming, Adobe Photoshop, Adobe Premiere Pro

Interpersonal Skills: Leadership, Management

Languages: Hindi And English