# Rahul Bangar

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## **EDUCATION**

#### **B.Tech in Computer Science and Engineering**

Tamil Nadu, IN | December 2020 - Present

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

Expected Graduation Date: July 2024

## LANGUAGES

Hindi: Native English: Proficient

## SKILLS

**Programming Languages:** C, C++, Python **Development:** Java, HTML, CSS, JavaScript

Database: MySQL

Others: Android Studio, Blender, Unity, VS Code, MS Office

## **EXPERIENCE**

#### **ACCENTURE** | ADVANCED APP ENGINEERING ANALYST

Intern | June 2023 - Present

#### **VORTEX** | PUBLICITY COORDINATOR

NIT, trichy | November 2021 - Present

- Worked in **Vortex'22**, and **Vortex'23** which is the Annual National-level Technological Symposium of the CSE department.
- Worked closely with the team in increasing and transcending the hype & reach of the fest to various colleges throughout India.

## **PROJECTS**

#### LORENTZ AND SPI FACTOR CALCULATOR

OCTOBER 2021

- Developed a Lorentz factor calculator in Android Studio using JAVA which takes the velocity of the moving observer as input and displays the Lorentz factor.
- Added a feature, practice session to calculate the same which turns the background green if correct input is provided and vibrates with the red background if wrong.
- Implemented a Spi factor calculator to update the spi factor for the IST every second.

CARDS GAME May 2022

- Built a console-based card game using Python that lets the user Play against three computer based opponents.
- Designed it in a way that the person with the highest card value wins for a single pass and the rule of the game is similar to that in the real world.

#### **ARITHMETIC CALCULATOR**

**JANUARY 2023** 

- Developed an arithmetic calculator using HTML, CSS, and JavaScript.
- Created a user-friendly and visually appealing interface for the calculator using HTML and CSS.
- Implemented JavaScript to add functionality to the calculator, allowing users to perform basic arithmetic operations.
- Utilized event listeners to detect user input and perform the appropriate arithmetic operation, resulting in accurate results.

MINI C COMPILER APRIL 2023

• Simulation of the front-end and back-end phase of a C compiler involving the If-Else, While and nested If-Else-While constructs.

- This includes SIX phases of a compiler:
  - 1. Lexical Analysis
  - 2. Syntactic Analysis
  - 3. Semantic Analysis
  - 4. Intermediate Code Generation
  - 5. Machine Independent Code Optimization
  - 6. Assembly Code Generation

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