# AYUSH RATHORE

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**Portfolio | GitHub | LinkedIn**

## Career Objective:

Dedicated to leveraging my technical and analytical skills to drive technological advancements and deliver exceptional solutions. Committed to continuous learning and staying abreast of emerging technologies, with a focus on contributing to the company's growth and success.

## Educational Profile:

**BTech, Electrical Engineering | NSUT (2020-2024)**

6.2 CGPA

**CBSE (Class XII) | St. Xavier's sr. sec. School**

*(2018-2019)*

8.2 CGPA

**CBSE (Class X) | St. Xavier's sr. sec. School**

*(2016-2017)*

8 CGPA

## Skills & Programming Languages:

- ✓ Programming Languages: C, C++ (Master), Data Structure and Algorithm (Master), Python (Intermediate), SQL, and DBMS.
- ✓ Software's Used: Unreal Engine (Expert), MATLAB(Intermediate), Simulink (Intermediate), LT Spice (Beginner), Excel, MS Word, Slack etc.

## Internships:

- ✓ **R&D Intern | Power Grid Corporation of India Limited**
  *May 2023 to July 2023*
  Diagnosed and modelled wide area monitoring system using phasor measurement unit to understand the importance of real-time data analysis and its role in maintaining electric grid stability.

- ✓ **Unreal Engine Developer | Singularity**
  *January 2023 to March 2023*
  Initiated and completed the development of a plugin through which user's crypto wallet can be added to the game while keeping track of transaction and maintaining security measures too.

- ✓ **VR Developer | CSKA Automation Services**
  *August 2022 to February 2023*
  Directed and created a VR conference room and player customization techniques, storing the attributes in SQL using C++ and virtual blueprint scripting.

- ✓ **Unreal Engine C++ Programmer | Epoch Games**
  *September 2022 to August 2023*
  Worked with 100+ members which includes artists and various developers, made a Day and Night Cycle with saving spend days in the game on the server. Software's used in the process: Unreal Engine, GitHub, Slack and Company's Wiki page to update documentation.

- ✓ **Blockchain Technology Researcher | Connect LLC**
  *March 2022 to August 2022*
  Researched on the proposition about Web3, Metaverse & Blockchain. Explored various NFT marketplaces such as Binance, Opensea etc. and figured out the aspects to make exactly a NFT valuable and expensive.
  Letter of Recommendation- view

## Projects:

- ✓ **Library Management System – Database Management System-** Manages and stores books information electronically according to student's needs. The system helps both students and library manager to keep a constant track of all the books available in the library.

- ✓ **Remote LED Control**- Used LT SPICE circuit using Light Dependent Resistors (LDR) to control the functioning of LED, followed by motion sensors in beta version.

- ✓ **Sentinels (C++ /Unreal Engine 5)**- A Completely C++ based multiplayer game having enhanced mechanism including Server-Side Rewind (SSR), Lag Compensation techniques and various Anti-cheating mechanisms.

## Positions of Responsibility:

- ✓ **Graphic Designer/ Video Editor | Shakesjeer, NSUT**
  *January 2022 to Present*

- ✓ **Educational Volunteer | Muskurahat Foundation (NGO)**
  *December 2022 to February 2023*
  Coached more than 20 underprivileged kids from class 5-10. Managed to provide interactive sessions using innovative teaching methods

## Certificate and courses completed- view

- Principles of Management | NPTEL
- Learn C++ for Game Development | Udemy
- Ethics in Engineering Practice | NPTEL
- The Ultimate Git Course | Udemy
- Innovation, Business Models and Entrepreneurship | NPTEL

## Achievements:

- Participated in The GameDev.tv Game Jam 2022 and successfully scored a rank of 351.
- C++ Quiz Facilitator- Organized and guided the quiz, enabling college freshmen to visualize, design, and implement the solution for various programming problems.