

Alok Kumar Singh

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Education

Pranveer singh institute of technology

B.tech - Computer Science and Engineering

June 2025 (Expected)

Kanpur, Uttar pradesh

Naval's National Academy

Senior Secondary (XII) - Science(PCM)

2020 - 2021

Gorakhpur, Uttar pradesh

Aatmdeep Vidyalaya

Secondary (X) CBSE

2018 - 2019

Gorakhpur, Uttar pradesh

Experience

Indian institute of technology

Student research associate

April 2024 - May 2024

Kanpur, Uttar pradesh

- Leveraged Blender and Unity to create an immersive and seamless user experience.
- Created 3d models in blender and implementing it in Unity, for smooth experience in virtual reality.
- Engineered high-quality models and optimized code to enhance visual smoothness and minimize motion sickness.

Computer society IEEE PSIT

Member

November 2022 - May 2024

Kanpur, Uttar pradesh

- Organized 5+ events under computer society.

Projects

News Website | HTML, CSS, JavaScript

- Built a comprehensive news platform utilizing HTML, CSS, and JavaScript for a dynamic and interactive user experience.
- Integrated an external API to fetch and display over 1,000 real-time news articles .
- Introduced 3 main features: article categorization, search functionality, and user-friendly navigation.

Responsive Food Delivery Website | HTML, CSS,

- Structured with HTML and styled with CSS to create a visually appealing and well-organized layout.
- Developed a responsive layout to support 3 device types (mobile, tablet, desktop).
- Developed advanced restaurant listings and interactive menu browsing features for enhanced user engagement.
- Focused on core design elements by excluding ordering and payment features, prioritizing a robust and foundational user interface.

Architecture of house (Virtual Reality Lab) | Unity 3D, Blender

- Developed an advanced Virtual Reality (VR) architecture design lab that enables real-time customization of architectural elements, layouts, and interiors using VR headsets, significantly enhancing collaboration and client presentations.
- Presented the project at 2 industry events, demonstrating its potential to transform architectural design and client presentations.

Technical Skills

Languages: C++, Python, C, HTML, CSS, JavaScript.

Technologies: DBMS, SQL, GIT.

Concepts: Database Management System, Computer networks, OOPs

Achievements

- 300+ questions solved in Leetcode, CodeChef, Hackerrank
- 5 star on HackerRank