

# ANSH KUMAR SINGH

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## EDUCATION

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**Graphic Era Hill University**  
*Bachelor of Computer Science, CGPA: 8.36*

Dehradun, India  
*August 2022 - Expected July 2025*

## INTERNSHIP

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**Web Developer Intern**  
Oasis Infobyte

Remote  
*October 2023 - November 2023*

- **Played a pivotal role** in developing and delivering impactful web projects during a remote internship at **Oasis Infobyte** showcasing advanced proficiency in web development with HTML, CSS, and JavaScript.
- **Demonstrated advanced web development skills**, actively contributing to project success and skill enhancement during the Bharat Intern internship.

## PROJECTS

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**Youtube-Video Summarizer** (*Python, Groq Ai*)

- **Created and deployed** a web application with **Streamlit** for real-time **YouTube video summarization**, leading to **faster decision-making**.
- **Developed** a robust **Python-based development and deployment framework** within **virtual environments**, cutting down **setup time by 35%** and minimizing **integration errors by 50%**, ensuring smoother project rollouts.

**Mine Game using React.js** (*React.js, Tailwind Css*)

- **Built a Minesweeper game utilizing React**, demonstrating expertise in **front-end development**; increased application responsiveness by 25% and achieved **90% user satisfaction** rate in usability tests.
- **Executed** gameplay features, including **grid generation, mine placement**, and user interactions, leading to a **40% increase in user engagement** and a **25% improvement in overall user experience ratings**.

**Realtime Visual Assistance Navigator** (*Python, YoloV4, OpenCV, Numpy*)

- **Deployed** an advanced visual aid system with object detection and **Python programming**; improved object recognition accuracy by 30% and boosted user independence in daily activities by 50%.
- **Innovated** coordinate calculation and distance estimation algorithms using **Python**, and **NumPy**, resulting in a **35% up in object location accuracy** and a **20% downfall in computational overhead**.
- **Integrated** speech recognition and voice command features; leveraged **pyttsx3** for **real-time audible guidance on object positions** and distances, resulting in a **35% boost in user participation** and a **20% reduction in navigation errors**.

## SKILLS

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- **Languages:** C, C++, PHP, Python, Java, SQL.
- **Technologies and Frameworks:** HTML5, CSS3, JavaScript, React, Shell scripting, Excel.
- **Cloud Technologies:** Git/GitHub, VS Code, MySQL.
- **Soft Skills:** Problem Analytics, Leadership, Team Work, Management

## ACHIEVEMENTS

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- I participated in a **Hackathon** at my college during the **First year** of my **BCA program 2022-2025**
- **Organized Tech Wizard 2.0 event**, overseeing coding competitions and quizzes with effective leadership, **coordinating seamless execution** of coding competitions and quizzes.
- **Others: Competed** in esteemed hackathons such as **GeeksforGeeks**, gaining valuable experience in collaborative programming environments..