

Hritik Chauhan

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EDUCATION

ABV-Indian Institute of Information Technology & Management
Bachelor of Technology in Computer Science

Gwalior, India
Aug 2023 – Apr 2027

- **Relevant Coursework:** Data Structures, Analysis of Algorithms, Operating Systems, Database Management Systems, Computer Networks, Artificial Intelligence, Machine Learning, Software Engineering.

Skyward Public School

Class XII (CBSE): 92%
Class X (CBSE): 95%

Roorkee, India
Apr 2021 – Jul 2022
Apr 2019 – Jul 2020

PROJECTS

CampusX - Lost & Found Platform Mar 2025 – Apr 2025
MERN Stack (MongoDB, Express.js, React, Node.js)

- Engineered a full-stack platform for campus item exchange, implementing JWT-based secure authentication.
- Developed category-based search and filtering using RESTful APIs to handle real-time data retrieval.
- Designed a responsive dashboard with React, optimizing for mobile and desktop user experiences.

Dynamic To-Do List App Feb 2025 – Mar 2025
Fullstack Developer / React, Node.js, Express.js, MongoDB

- Developed a feature-rich task management application with deadline reminders and task categorization.
- Integrated full CRUD operations and implemented priority-based sorting logic on the client side.
- Architected secure user-specific data storage and authentication to ensure private task management.
- Utilized MongoDB for schema-based data modeling and Express.js for efficient backend routing.

PixelWarzone: 2D Combat Engine Jan 2025 – Feb 2025
Python, Pygame

- Architected a 2D combat game using OOP principles for modular player and enemy management.
- Implemented vector-based physics for fluid movement and projectile trajectory calculations.
- Optimized performance through dirty rect rendering and efficient asset loading techniques.

Hostel Management System Nov 2024 – Dec 2024
C++ (Object-Oriented Programming)

- Built a robust CLI system to manage room allocations and fee records using inheritance and polymorphism.
- Implemented file handling techniques in C++ to ensure data persistence across system restarts.

ACHIEVEMENTS

- **JEE Mains:** Secured a rank in the top 2% out of 1.2 million candidates nationwide.
- **Competitive Programming:** Solved 150+ problems on LeetCode/Codeforces.
- **Academic Excellence:** Consistently maintained high performance in core engineering subjects.

SKILLS

- **Programming:** C, C++, JavaScript, TypeScript, Python, HTML5, CSS3
- **Web Technologies:** React.js, Node.js, Express.js, Redux, Tailwind CSS, Next.js, Vercel
- **Databases & Tools:** MongoDB, MySQL, Git, GitHub, VS Code, Postman, Figma
- **Core Concepts:** Data Structures, OOPs, RESTful APIs, Web Development