

# Harmeet Singh

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## Education

Shri Mata Vaishno Devi University

Bachelor of Technology CSE (CGPA: 8.54 / 10.00)

Katra, J&K

Dec 2021 - May 2025

## Technical Skills

**Languages:** Python, C++, JavaScript, Typescript, SQL, No-SQL, HTML, Tailwind CSS, Markdown

**Technologies:** MERN, Next.js, AWS, Linux, Firebase, Redux, Socket.io, REST API, PostgreSQL, MySQL, MongoDB

**Concepts:** OOP, Operating System, DBMS, Computer Network, Git, GitHub

## Experience

Carbon Crunch

Noida

SDE Intern

Jul 2024 - Oct 2024

- **Developed** website and **deployed** it on **DO** using nginx, increasing Carbon Crunch's online visibility by **75%**.
- **Implemented** responsive design with Tailwind CSS and User Journey, improving mobile **user engagement by 60%**.
- Designed and optimized MongoDB **database schema**, reducing query **response time** by 35%.
- Integrated charts features for **data visualization**, enhancing **user understanding** of carbon metrics by 50%.
- Implemented MongoDB **aggregation pipeline** for multi-facility system, streamlining user permissions and **facility-specific** reporting, resulting in 40% faster data retrieval.

SMVDU

Katra

Frontend Developer Intern

Jul 2024 - Sep 2024

- Developed responsive React components for the **3rd International ETBCT Conference website**, improving user engagement by 65% and **reducing bounce rate by 40%** compared to previous static site.
- Implemented real-time schedule updates and **personalized agendas** using React hooks and Context API, resulting in a 50% increase in attendee session planning and participation.
- **Collaborated with scholars** to create an interactive paper submission and peer review system, streamlining the academic process and increasing submission accuracy by 30%.

## Projects

**Talk-A-tive** | React.js, Chakra UI, Node.js, Socket.io, MongoDB, Express.js

- Integrated **Socket.io** to enable real-time messaging functionality, reducing delivery latency by **40%**.
- Optimized image upload process by integrating **Cloudinary API**, decreasing image upload time by **25%**.
- Introduced **JWT** for authentication and authorization, enhancing data security and access control, resulting in a **60%** reduction in unauthorized access attempts.

**Natours** | React.js, Tailwind, Node.js, Stripe, MongoDB

- Orchestrated the integration of payment functionality with **Stripe** reducing checkout time by **30%**.
- Proposed a feature for uploading multiple images using **Cloudinary API**, reducing **40%** in image upload time.
- Powered by Chart.js, an Admin Panel led to a **25%** increase in operational efficiency and better decision-making.

## Accomplishments

**Scholarship Recipient - FFE, U.S.A.:** offered to students from the U.S.A. and India for a period of 4 years.

**Winner:** Web3 Sangam Blockchain Quiz, TITIKSHA Tech Fest SMVDU, 2023.

## Teaching/Leadership Roles

Directed the Backstage and Technical Team for the "Web3 Sangam" and "Hack the Hackers" events.

Coordinated event organization, along with the identification and invitation of accomplished guest speakers.

Addressed CodeClub students about crafting compelling LinkedIn Profiles, resulting in a 30% increase in profile views.