VANSHITA TRIPATHI

📍 Bhimtal, India

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EDUCATION

- **National Institute of Technology Karnataka, Surathkal**   Aug 2024 – Jul 2027
  Master of Computer Applications (MCA)   **CGPA: 8.69**

- **University College Of Business Studies , Himachal Pradesh University**   AUG 2020 – JULY 2023
  Bachelor of Computer Applications (BCA)   **CGPA: 8.78**

SKILLS

Programming Languages:	C, C++, JavaScript
Markup/Styling:	HTML, CSS ,Figma
Frameworks/Libraries:	React, Node.js, Express.js, REST
Database:	MySQL, NoSQL
Tools:	Git, Postman, GitHub Actions,REST API, JSON
Soft Skills:	Leadership, Team Collaboration, Communication

PROJECTS

- **POSTORA– Real-Time, Real You** | ☑   *May 2025*
  MERN, Tailwind CSS, Tanstack

  - Developed a social **microblogging** platform featuring real-time interaction, including comments, likes and deletions.
  - Automated deployment pipeline for microblogging platform using GitHub Actions, Render, and MongoDB Atlas, decreasing deployment time by 60% .
  - Implemented React Query (TanStack) for efficient backend state management, leading to a 40% reduction in data fetching frequency and minimizing the load on backend infrastructure.

- **NITK HOSTEL – Hostel website NITK** | ☑   *July 2025*
  React, Tailwind CSS, Vite

  - Engineered a multi-role **hostel management microservice** supporting students, caretakers, wardens, and admins; facilitated a 40% reduction in maintenance request processing time through assignment workflows.
  - Catalyzed a 15% increase in user engagement on the hostel management interface through implementation of user-centric design principles, resulting in improved user satisfaction and streamlined operational processes.
  - Implemented one-click **dashboard** and manual options for hostel and room assignments, allowing admins and caretakers to efficiently manage allocations

- **Dr-Consultmate** | ☑   *June 2025*
  Tech Stack: MERN
  - Developed a MERN stack-based platform enabling secure role-based authentication for Patients, Doctors, and Admins.
  - Streamlined **appointment management** with automated booking and reminders, maintaining 99.9% uptime.
  - Centralized doctor, appointment, and system operations management through a custom-built admin interface, reducing administrative overhead by 30% .

EXTRACURRICULAR ACTIVITIES & ACHIEVEMENTS

- Secured All India Rank **53** in **NIMCET 2024** demonstrating exceptional aptitude in computer science and quantitative reasoning nationwide.
- Pioneered the NITK Hostel website as a team endeavor, integrating user-friendly features and a searchable database, anticipating future adoption by 7000+ students on campus.