AMAN VERMA

B. Tech in Computer Science & Engineering with Specialization in Health Informatics

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Technical Skills: HTML/CSS, MERN, Python, SQL, Git/GitHub, Google Cloud Platform (GCP)

Certification:

Google Cloud Computing Foundation, Google, December 2023 **(Link)**

MERN Stack Development, Prutor-IITK, January 2024 **(Link)**

IBM Cyber Security Analyst, Coursera, January 2023 **(Link)**

EDUCATION

VIT- Bhopal University (8.24 CGPA)	Bhopal, Madhya Pradesh, INDIA
B. Tech (Computer Science & Engineering with Specialization in Health Informatics)	**May-2021 to Oct-2025**
Dr. MPS World School (67.6 %)	Agra, Uttar Pradesh, INDIA
Senior Secondary (Class XII)	**Jun-2020 to May-2021**
Dr. MPS World School (74.6 %)	Agra, Uttar Pradesh, INDIA
High School (Class X)	**Jun-2018 to May-2019**

PROJECTS

Samanvay (Link)   Group Project (2 members) (Feb 2025 – Apr 2025)

- Built scalable mental health platform with interactive sections (personalized recommendations, progress logs) and secure, HIPAA-compliant RESTful APIs to manage user interactions, data tracking, analytics, user authentication.
- Implemented functional testing and API validation to ensure backend reliability.

Vidyoday (Link)   Individual Project (Dec 2024 – Feb 2025)

- Developed an online learning platform enabling skill acquisition without monetary transactions, incorporating user analytics, database integration, responsive UI design, secure authentication, and performance tuning.
- Implemented a real-time chat feature using WebSocket with scalable architecture, low-latency messaging, concurrency. handling, message queuing, fault tolerance, and event-driven principles.
- Integrated Google OAuth for user authentication to improve access control, session security, multi-device login, user experience, token handling, and seamless third-party service connectivity.

Healmate (Link)   Individual Project (Jun 2024 – Oct 2024)

- Developed a web application to connect with trusted doctors, schedule appointments, and explore comprehensive doctor profiles, including qualifications and patient reviews, all in one place.
- Applied secure user auth and data protection using JWT and Bcrypt, ensuring data integrity and security.

INTERNSHIPS

Web Developer Intern (Link)   Sukham Resort, Nilgiris, TN, India

(Remote Internship – 6 Months)   Jun 2023 – Aug 2023

- Contributed as a Frontend Developer, focusing on Agile development and implementing engaging user interfaces.
- Applied MERN technology, to develop dynamic, full-featured website following software development lifecycle.
- Optimized website performance & responsiveness through efficient code implementation & compatibility testing.
- Collaborated with cross-functional teams ensuring seamless integration of frontend components & backend systems.

Data Modeler Intern (Link)   VectorE Tech, Hyderabad, TG, India

(Remote Internship – 6 Months)   Nov 2024 – Current

- Partnered with team of data scientists to architect & implement scalable data model for the company's EdTech platform.
- Transitioned from Google Forms-based course registrations to streamlined, structured data system for the website.
- Engineered OLAP model for Learning Management System using Snowflake to drive advanced analytics & reporting.
- Strategized a future migration to an OLTP model to facilitate real-time interactions and optimize data management.

CO-CURRICULRS

- Recognized as Top 200 contributor Girl Script Summer of Code for open-source contributions (May24 – Aug24).
- Earned a prestigious 3-Star IT Wizard Performer Gold Rank for excellence in technical performance (Mar17 – Mar18).
- Acquired 10 IBM Badges, demonstrating proficiency across various technical domains and certifications.
- Passionate about photography and traveling, explored over 8 states in India, capturing diverse cultures and experiences.
- Fluent in Hindi as my mother tongue and proficient in English as a professional working language.