

Sanskriti Tyagi

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Education

VIT Bhopal University

B.Tech in Computer Science & Engineering

2022 - 2026

CGPA: 8.37

- Specialized in **Data Structures and Algorithms**, **Cloud Computing**, and **Web Development**.
- Ranked in the **top 5% of the class** in programming courses.

Technical Skills

Programming: C++, Python, JavaScript

Web Development: HTML, CSS, React.js, Node.js, Express.js

Databases: MySQL, Firebase, MongoDB

Tools: Git, VS Code

Data Structures & Algorithms: Linked Lists, Trees, Graphs, Sorting, Dynamic Programming (DP)

Cloud & DevOps: AWS (EC2, S3, Lambda)(Basics)

Projects

Time Travelers Archive

React.js, Node.js, MongoDB, Python

- Developed a **highly scalable** archival system for **100,000+ historical records**.
- Reduced data retrieval time by **30%** using **efficient indexing techniques**.
- Implemented **JWT authentication**, improving security for 500+ registered users.

Portfolio Website

HTML, CSS, JavaScript

- Designed and developed a **fully responsive portfolio website** showcasing skills & projects.
- Improved page load speed by **40%** through **lazy loading & image optimization**.
- Increased engagement rate by **25%** through interactive animations.

Achievements

- Achieved a **top 10% ranking** in LeetCode contests.
- Completed **Web Development Bootcamp (Udemy)** with hands-on projects.
- Published a technical blog on **"Optimizing MongoDB Queries"**, gaining 5K+ reads.

Certifications

- **NPTEL Cloud Computing:** IIT Kharagpur (Elite Holder, Top 5%)
- **Google:** The Bits and Bytes of Computer Networking (Coursera)
- **MATLAB Simulink Onramp Certification:** (MathWorks)
- **Python Essentials:** Vityarthi (Scored 95%)
- **GEN AI Using IBM Watsonx:**(IBM Career Education Program)

Leadership & Extracurricular Activities

Fintech Club — Social Media Team

Jan 2024 – Present

- Spearheaded content strategy, increasing engagement by **50%** in 3 months.
- Organized **CodeQuest Finanza**, a fintech hackathon with **150+ participants**.
- Hosted **WikiRace**, a tech quiz & debate event with **200+ students** participating.
- Established partnerships with **3 industry leaders**, securing sponsorships worth 50,000.