Sanskriti Tyagi

 Delhi, India — sanskritityagi02@gmail.com — +91-9560297606
 linkedin.com/in/sanskriti-tyagi-904695250 — github.com/sanskritityagi31

Education

VIT Bhopal University *2022 – 2026*
B.Tech in Computer Science & Engineering **CGPA: 8.37**

Technical Skills

Programming: C++, Python, JavaScript,Java
Web Development: HTML, CSS, React.js, Node.js, Express.js
Databases: MySQL,MongoDB
Tools: Git, VS Code
Data Structures & Algorithms: Linked Lists, Trees, Graphs, Sorting, DP
Cloud: AWS (EC2, S3, Lambda)

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.

LeetCode Practice Tracker *Python, SQLite, Streamlit*
- Designed a web-based dashboard to visualize LeetCode progress, difficulty-wise distribution, and accuracy.
- Used SQLite for persistence and Streamlit for interactive visualization.

Portfolio Website *HTML, CSS, JavaScript*
- Built and deployed a fully **responsive portfolio website** showcasing skills & projects.
- Improved page load speed by **40%** through **lazy loading** & image optimization.
- Increased engagement rate by **25%** with interactive animations.

Achievements

- Ranked top 5% in internal programming courses at VIT
- Completed **Web Development Bootcamp** (Udemy) with hands-on projects.
- Contributed to open-source projects on GitHub, including bug fixes and documentation.
- Secured 2nd position in college hackathon among 50+ teams by building a real-time traffic monitoring app.
- Participated in Smart India **Hackathon** 2024

Certifications

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

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**.
- Built partnerships with **3 industry leaders**, securing sponsorships worth **50,000 INR**.