Tulika Basu

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EDUCATION

VIT Bhopal University   **2022 – 2026**
B.Tech - Computer Science and Engineering - ***CGPA - 8.65***   *Bhopal, Madhya Pradesh*

Maharshi Patanjali Vidya Mandir   **2019 – 2021**
Grade - 11-12 - ***Percentage - 94***   *Prayagraj, Uttar Pradesh*

St. Mary's Convent Inter College   **2009 – 2019**
Grade 1-10 - ***Percentage - 96.8***   *Prayagraj, Uttar Pradesh*

COURSEWORK / SKILLS

- Data Structures and Algorithms
- Oops Concepts
- Computer Networks
- Operating Systems
- DBMS

PROJECTS

Smart Code Reviewer Powered by AI ⧉ | MERN Stack, LLM   2025

- Developed an AI-powered tool to automate code review, identifying bugs and vulnerabilities.
- Designed and implemented a full-stack MERN application, ensuring a scalable and responsive user interface for seamless code submission and review.
- Engineered a robust backend API for efficient processing of code submissions and interaction with the AI model.
- Implemented using the Gemini model for advanced pattern recognition and intelligent analysis of source code.

Career Help : Career Counseling website ⧉ | HTML, CSS, JavaScript, MySQL, PHP   2024

- Developed a comprehensive career counseling website aimed at assisting students with critical academic and career decisions.
- Implemented features for personalized roadmap generation, guiding students through academic pathways and skill development.
- Designed and deployed a seamless scheduling system for one-on-one counseling sessions with industry experts and mentors.
- Utilized PHP and MySQL for secure user authentication, data management, and dynamic content delivery.

Mini Projects ⧉ | HTML, CSS, React, JavaScript, MERN   2024

- A comprehensive collection of personal projects focusing on core web development principles.
- Demonstrates practical application of front-end technologies and foundational back-end concepts
- Emphasized clean code practices, modular design, and responsive web design principles across all projects.
- Gained hands-on experience with API integration, state management, and component-based architecture.

TECHNICAL SKILLS

Languages: Fluent in Java; familiar with C++, Python; SQL
Technologies/Frameworks: HTML5, CSS3, React, Express
Developer Tools: GitHub, VS Code

EXTRACURRICULAR

- Outreach Team Lead, BitByBit Club, VIT Bhopal (2024)
- Smart India Hackathon (SIH) 2024 college finalist
- Selected under Student Internship Programme (SIP), Bhopal Police (2024)
- Contributor in Social Summer of Code (SSOC) 2025
- Participated and won Foragers 2.0 (Treasure hunt) in College's Annual Fest (2023)