

Tanisha Agarwal

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EDUCATION

Vellore Institute of Technology

B.Tech in Computer Science; CGPA: 8.71/10.0

Bhopal, India

Sep. 2022 – July 2026

St. Mary's Convent Inter College

12th Grade (ISC): 94%

Prayagraj, India

2022

St. Mary's Convent Inter College

10th Grade (ICSE): 95%

Prayagraj, India

2020

TECHNICAL SKILLS

Programming Languages: C++, JavaScript, Python, SQL

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

Tools & Platforms: Git, AWS, Figma, Power BI, MS Excel

Databases: MongoDB, MySQL

Core Computer Science: Data Structures & Algorithms, Object-Oriented Programming (OOPs), DBMS, Software Development Life Cycle (SDLC)

Methodologies: Agile, Waterfall

Soft Skills: Problem-Solving, Communication, Teamwork, Time Management

PROJECTS

Tastebuds – Full-Stack MERN Food Delivery Platform

Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT, REST APIs, WebSockets

- Designed and developed a full-stack MERN food delivery application with JWT-based authentication and role-based access control, supporting core user flows such as browsing, ordering, and order history.
- Built and integrated 10+ RESTful APIs for user management, restaurant listings, and order processing using Node.js and Express.js.
- Implemented real-time order status updates using WebSockets, enabling live order tracking and reducing manual refresh dependency, improving user experience for concurrent users by enabling real-time, event-driven updates.

CBSE at EASE – Student Resource Website

Tech Stack: HTML, CSS, JavaScript, React.js

- Constructed a student-focused educational website organizing CBSE academic resources into structured, easy-to-navigate sections for improved accessibility.
- Architected component-based frontend architecture and dynamic rendering to manage multiple content pages efficiently.
- Engineered a responsive and accessible UI, ensuring consistent performance across desktop and mobile devices and improving content readability.

HR Analytics Dashboard – Power BI

Tools: Power BI, SQL, Excel, DAX

- Built an interactive HR analytics dashboard visualizing employee attrition, department-wise distribution, job roles, and salary bands across 3 major departments, enabling clear workforce visibility.
- Executed KPI-driven visuals, slicers, and drill-down interactions to support quick workforce analysis and efficient insight discovery.
- Created DAX measures to calculate attrition percentages and comparative workforce metrics, supporting data-driven HR reporting and decision-making.

CERTIFICATIONS

Marketing Analytics – NPTEL, IIT KGP

May 2025

Generative AI – IBM

May 2025

Cyber Security Analyst – IBM

May 2025

Cloud Computing – NPTEL, IIT KGP

Apr 2024

Full Stack Web Development with React – Coursera

Feb 2024

Data Structures and Algorithms Specialization – Coursera

Jan 2024

Python Programming – LinkedIn Learning

Mar 2023