

# Tanisha Agarwal

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## EDUCATION

<b>Vellore Institute of Technology</b>	Bhopal, India
<i>B.Tech in Computer Science; CGPA: 8.71/10.0</i>	Sep. 2022 – July 2026
<b>St. Mary's Convent Inter College</b>	Prayagraj, India
<i>12th Grade (ISC): 94%</i>	2022
<b>St. Mary's Convent Inter College</b>	Prayagraj, India
<i>10th Grade (ICSE): 95%</i>	2020

## TECHNICAL SKILLS

<b>Programming Languages:</b> C++, JavaScript, Python, SQL
<b>Web Development:</b> HTML, CSS, React.js, Node.js, Express.js, Responsive Web Design
<b>Tools &amp; Platforms:</b> Git, AWS, Figma, Power BI, MS Excel
<b>Databases:</b> MongoDB, MySQL
<b>Core Computer Science:</b> Data Structures & Algorithms, Object-Oriented Programming (OOPs), DBMS, Software Development Life Cycle (SDLC)
<b>Methodologies:</b> Agile, Waterfall
<b>Soft Skills:</b> 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