

Tanish Arora

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EDUCATION

Vellore Institute of Technology, Chennai Bachelors in Computer Science Engineering	Aug 2023 – June 2027 CGPA: 8.69
LBS Boarding School, Kota – CBSE XII <i>Percentage: 82.4%</i>	2023
Good Shepherd Public School, Sri Ganganagar – CBSE X <i>Percentage: 94.4%</i>	2021

TECHNICAL SKILLS

- Languages:** C/C++, Python, JavaScript, TypeScript, SQL, Bash/Shell
- Web Technologies:** React, Node.js, Express, MongoDB, REST APIs, HTML5, CSS3, Tailwind
- DevOps & Cloud:** AWS (EC2, ECS, ECR, ALB), Docker, GitHub Actions, Linux
- Developer Tools:** Git, GitHub, VS Code, Postman, Jupyter Lab

PROJECTS

Secure Plus – Privacy-Focused Document Redaction Tool <i>Python (OpenCV), Node.js, AWS (ECS, Docker), MERN Stack</i>	Dec 2025
<ul style="list-style-type: none">Engineered a privacy-centric document processing engine using Python and OpenCV to detect and redact sensitive PII fields (PAN, Email, DOB).Implemented irreversible Gaussian blur algorithms to mask user-selected data regions while preserving the original document layout.Architected a decoupling strategy where heavy image processing tasks are offloaded to a containerized Python worker on AWS ECS.	
Campingo – Full-Stack Campground Marketplace <i>Node.js, Express, MongoDB, Docker, GitHub Actions, Mapbox API</i>	Nov 2025
<ul style="list-style-type: none">Developed a full-stack peer-to-peer marketplace featuring CRUD operations and strict data validation using Joi schemas.Implemented a secure authentication system using Passport.js and integrated Mapbox API for interactive geospatial data visualization.Optimized the development workflow by Dockerizing the application and setting up a CI/CD pipeline via GitHub Actions.	
SportSync – Real-Time Sports Update Platform <i>HTML, CSS, JavaScript, Flask, MongoDB, REST APIs</i>	June 2025
<ul style="list-style-type: none">Built a live sports tracking platform delivering real-time updates via asynchronous API polling and dynamic DOM manipulation.Developed a robust Flask backend with a MongoDB database designed to store and retrieve match data and player profiles efficiently.Created a responsive, user-centric frontend interface to ensure high engagement during live match events.	

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management Systems
- Operating Systems (Linux Admin)
- Computer Networking (TCP/IP)
- Cloud Computing