





# Tanish Arora

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## EDUCATION

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

## 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

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

## RELEVANT COURSEWORK

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