



Aanushka Singh

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Education

Bachelor Of Technology in Computer Science and Engineering

Parul University

CGPA: 7.3

Vadodara, Gujarat

June 2021 – May 2025

Senior Secondary (Class 12th)

Brighton International School

CBSE Board | Percentage: 78.80%

Raipur, Chhattisgarh

Feb 2020 - June 2021

Secondary (Class 10th)

Holy Cross Senior Secondary School

CBSE Board | Percentage: 76%

Raipur, Chhattisgarh

April 2018 - May 2019

Technical Skills

- Frontend: HTML5, CSS, JavaScript and React.js
- Backend: Node.js, Express.js, Python
- Databases & Cloud: MongoDB, Firebase, and Supabase
- Tools & Technologies: Git, RESTful APIs, and OpenStreetMap

Experience

Bytexl Summer Internship

- Solved 70+ competitive programming challenges with a 90% success rate, improving code complexity and algorithmic efficiency.
- Developed and deployed full-stack web applications, implementing RESTful APIs and databases with 80% efficiency.
- Gained 85% proficiency in C++ for DSA and Python for web development, automation, and data processing.
- Optimized code efficiency by refactoring algorithms, resulting in a 70% reduction in execution time for critical functions; pinpointed and resolved the three leading causes of application crashes during testing phases.

Projects

Advance Kinetic Space-Saving Navigator

- Developed a real-time parking management system that reduced search time by 40% using computer vision-based space monitoring.
- Integrated secure authentication and encrypted data storage with Firebase and Supabase, enhancing user privacy and system reliability.
- Engineered a scalable backend with Node.js/Express.js, efficiently handling 1,000+ concurrent requests per minute with 80%+ uptime.
- Optimized database queries by 30%, significantly improving data retrieval speed and overall application performance.

Crime-watch ([Link](#))

- Architected a scalable REST API with Node.js and Express.js for efficient data processing and request handling
 - Designed Firebase database structure that improved data retrieval speed by 40% while managing 100,000+ crime reports
 - Integrated OpenStreetMap with heatmap visualization to identify crime patterns across 50+ districts and 5,000+ monthly incidents
 - Executed advanced filtering algorithm that reduced false alerts by 45% and increased user engagement by 60%
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Certification

- ByteXL Summer Internship Completion - **ByteXL** | [Credentials](#)
 - Odoo Hackathon Participation Certificate - **Odoo Company** | [Credentials](#)
 - PU Code Hackathon Participation - **Parul University** | [Credentials](#)
 - Data Analytics with Python - **NPTEL** | [Credentials](#)
 - Accenture Nordics Developer Skills - **Accenture** | [Credentials](#)
 - Deloitte Australia Technology Skills - **Deloitte** | [Credentials](#)
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Achievements

- Selected among the top competitors at the PU Code Hackathon from 100+ participants, successfully addressing complex algorithmic challenges
 - Successfully completed ByteXL Summer Internship with practical implementation of three significant project development
 - Built a functional library management system prototype under 12+ hour time constraint at the Odoo Hackathon, serving 1,000+ users with automated tracking and secure authentication
 - Analyzed high-performance e-commerce backend capable of handling 100+ concurrent users with real time inventory updates.
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Co-Curricular Activities

- **Hackathons** - Participated in multiple coding competitions, applying problem-solving techniques and teamwork.
- **Workshops** - Engaged in tech workshops, enhancing skills in C++, Python, and software development processes.
- **Deloitte Australia Technology Job Simulation on Forage (March 2025)**-Completed a job simulation involving development and coding.
 - Wrote a proposal for creating a dashboard.
 - Gained insights into real-world software development processes