

# Parthiv Jasoliya

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[Portfolio](#)

## EDUCATION

### Sardar Vallabhbhai National Institute of Technology

Surat, India

Bachelor of Technology, Electronics and Communications Engineering

Nov 2022 - Jun 2026

- **CGPA** : 8.29/10 (Sixth Semester)
- **Relevant Coursework**: Data Structure and Algorithms, Fundamentals of Computer Programming, Python Programming, Computer Organization and Architecture, Machine learning, Computer Networks, Microprocessors and Micro-controllers

## EXPERIENCE

### TCS R&I

Hyderabad, India

Cyber Security Intern

May 2025 - Jul 2025

- Designed a secure ingestion pipeline to normalize **10+ diverse threat-intel feeds** from various sources into an enterprise-ready data model, standardizing formats and **reducing parsing errors by 40%** using RAG and LLM.
- Developed autonomous AI-driven agent workflows for cloud security-automating policy compliance checks, posture checks, and adaptive remediation-**reducing manual triage effort by 30%** and **improving response time consistency**.
- Integrated the agent into an end-to-end tool that suggests policy restructuring, access control tuning, and least-privilege recommendations-**streamlining audits and reducing policy misconfigurations in pre-production environments**.

### VoxelVerse

Hyderabad, India

GenAI Intern

Jul 2024 - Aug 2024

- Engineered a generative AI platform that allows users to automatically produce **intricate 2D artwork and physics models**, resulting in faster turnaround times during the asset creation process compared to previous models.
- Streamlined the world environment generation process using **neural rendering** and data-driven techniques, **reducing generation time by 25%** while maintaining complexity and visual fidelity.
- Improved interactive weather systems through machine learning-based pattern recognition, **increasing environmental patterns generation accuracy by 15%** and enhancing real-time responsiveness.

## PROJECTS

### Website for a Business

[Live/Code](#)

React, Express.js, Tailwind CSS

- Led a team of four to design and develop a **responsive single-page website** for **GWOC 2024**, representing a local cafe.
- Implemented a sleek, modern interface with intuitive navigation, optimizing user engagement and resulting in an average **bounce rate of under 30%**.
- Integrated a reservation form for in-house coffee workshops, which successfully **garnered over 100 registrations**.

### Graph Visualizer

[Live/Code](#)

React, TypeScript, Tailwind CSS

- Developed a web-based tool for visualizing directed and non-directed graphs, maps, and trees, tailored for competitive programmers and visual learners.
- Implemented smooth physics-based interactions for elements, improving user experience.
- Successfully onboarded **nearly 60 regular users** from my college.

## SKILLS

**Languages**: C/C++20, Java21, Python3.12, x86 Assembly

**Development**: MERN, Spring Boot, RESTful API, React, JavaScript, TypeScript, HTML5, CSS3

**Software Development Tools**: Github, GitLab, AWS, Docker, Kubernetes

**Database**: MySQL, MongoDB, PostgreSQL

**Libraries**: NumPy, Pandas, Matplotlib, OpenCV, Scikit-learn

## ACHIEVEMENTS AND CERTIFICATION

- **ICPC Regionalist'2024 (Amritapuri Region)**
- **Codeforces** Max Rating : **2113 (Master)**
- **Codechef** Max Rating : **2041 (5 Star)**
- **Leetcode** Max rating : **2409 (Guardian)**
- **Ranked 581 globally and 40 in India in Meta Hackercup 2024** Round 1, competing among 22,000.([Certificate](#))
- selected from 100,000 applicants for the **Amazon Machine Learning Summer School 2024**, as **one of 3,000 chosen participants** and completed the course successfully.(Acknowledgement letter issued by [Amazon](#))

## LEADERSHIP EXPERIENCE

- **Problem Setter**, Association for Computing Machinery, SVNIT (Present)
- **Contest Coordinator**, Inception 9.0. (Aug 2024)
- **Contest Coordinator**, ACM Summer Challenge 2024. (Jul 2024)