

JAYANT KUMAR

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ABOUT

Computer Science undergraduate skilled in full-stack development and data structures. Built multiple production-ready applications with a focus on back-end engineering. Winner of the Hackathon with hands-on experience in scalable and practical software solutions.

EDUCATION

Sant Longowal Institute of Engineering and Technology

B.E in Computer Science & Engineering

2022–2026

Punjab, India

RELEVANT COURSEWORK

- | | | | |
|-------------------|----------------------|-------------------|---------------------|
| • Data Structures | • Algorithm Analysis | • Web Development | • OOPS |
| • Blockchain | • DBMS | • Linux Systems | • Computer Networks |

TECHNICAL PROJECTS

DSA Visualizer | *React, D3.js, Redux* | [Live](#)

Mar 2025

- Engineered visualization tool for 15+ algorithms with step-by-step execution tracing
- Optimized rendering performance by 40% using Web Workers and canvas virtualization
- Integrated Jest testing framework achieving code coverage

CryptoDashboard | *React, CoinGecko API, JavaScript, Tailwind* | [Live](#)

Feb 2025

- Integrated CoinGecko API to display live crypto prices and rankings.
- Designed a responsive dashboard UI with React components.
- Implemented error handling and optimized data fetch logic with async/await.

Codeora | *Node.js, MongoDB* | [Demo](#)

2025

- Built a full-stack coding platform with real-time code execution using Docker containers.
- Added login, code editor, problem submission, and leaderboard using the MERN stack.
- Used Redis queue and workers for secure, async code compilation and result handling.

TECHNICAL SKILLS

Languages

- C++, JavaScript, Python
- SQL, TypeScript, HTML/CSS

Backend

- Node.js, Express
- REST

DevOps

- Docker
- AWS, GitHub Actions

Frontend

- React, Redux
- Tailwind CSS

Databases

- MongoDB, MySQL
- Redis

Tools

- Git&GitHub, Postman
- VS Code, Vim, LaTeX

CERTIFICATIONS & ACHIEVEMENTS

- **GFG 2★** (Max Rating 1586) – Among top 58% competitive programmers in Global
- **Hackathon Participant** @SLIETthon'24 – Built a subject management system for department faculty
- **Linux Mastery** – Certification
- **Git and GitHub** – Certification