

# JAGPREET SINGH RAHI

jagpreet1615@gmail.com | +91 9528629522 | LinkedIn | LeetCode | Portfolio | GitHub | 📍 Pune, India

## PROFESSIONAL SUMMARY

Full-stack developer and open-source contributor with experience designing, developing, and deploying scalable web applications using React.js, Node.js, TypeScript, and JavaScript. Selected for **Google Summer of Code 2025**, contributing to the JSON Schema ecosystem adopted by over 10,000 developers. Skilled in building RESTful APIs, integrating cloud platforms (AWS, Docker, Cloudflare), and optimizing real-time application performance. Experienced in database architecture and collaborating across development teams to streamline workflows and ensure code quality.

## EDUCATION

**B.E in Computer Science Engineering**

**Nov 2022 – Present**

*Trinity Academy of Engineering, Pune*

*CGPA: 8.57/10.0*

## TECHNICAL SKILLS

**Programming Languages:** C++, JavaScript, TypeScript

**Development:** React.js, Express.js, Node.js, Tailwind CSS, Bootstrap, Framer Motion

**Operating System** Window, Linux

**Tools:** Git, GitHub, VS Code, Vim, Docker

**Databases:** MySQL, PostgreSQL, MongoDB

**Core Concepts:** Data Structure, Algorithm, OOP, DBMS, Computer Networking

**Cloud:** AWS, Amazon S3, CloudFront, Cloudflare

**Soft Skills:** Team Leadership, Project Management, Communication.

## PROFESSIONAL EXPERIENCE

**Open Source Contributor – GSoC**

**Mar 2025 – Present**

*JSON Schema*

- Developed a JSON Schema Visualization tool used by a wide range of developers for debugging across multiple dialects.
- Improved JSON Schema comprehension for 10K+ developers by creating an intuitive UI that visualizes relationships between nested objects.

**Full Stack Developer Intern**

**Feb 2025 – Mar 2025**

*Edunet Foundation in collaboration with EY-GDS*

- Built full-stack modules using MERN stack for internal educational tools, improving user operations by 30%.
- Participated in 3+ technical mentorship sessions from EY-GDS experts, gaining insights into scalable enterprise architecture.

## TECHNICAL PROJECTS

**JSON Schema Visualization Tool | [View](#)**

**Mar 2025 – Present**

- Designed and deployed an interactive visualization tool for JSON Schema, enabling real-time schema analysis and validation.
- Reduced debugging time by 60% through graphical representation and real-time validation support.

**Online Auction System | [View](#)**

**Feb 2025 – Mar 2025**

- Built a responsive frontend and integrated a secure backend using Node.js and MongoDB, improving data integrity.
- Deployed on Vercel, achieving 100% uptime and mobile responsiveness across devices.

**Airline Reservation System | [View](#)**

**Nov 2024 – Dec 2024**

- Engineered a RESTful backend to search, book, and update flight records; handled 100+ mock user sessions.
- Prevented data inconsistencies by implementing ACID-compliant MySQL transactions and enforcing unique seat constraints.
- Optimized seat allocation management using relational database techniques, achieving a 30% increase in the accuracy of booking updates.

## ACHIEVEMENTS & INTERESTS

- Selected for Google Summer of Code 2025 as a contributor with JSON Schema Org, among top global open-source contributors.
- Secured the Smart India Hackathon (SIH) Certificate for delivering an innovative, scalable solution at a national-level tech competition.
- Advocate for spirituality & physical fitness, practicing mindfulness and calisthenics for personal growth and resilience.