

Parmeet Kaur

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Portfolio: [parmeet-portfolio](#)

Summary

Computer Science and Engineering student with hands-on experience in full-stack web development and AI-based applications. Skilled in React, Node.js, Express.js, and MongoDB, with a strong foundation in Data Structures & Algorithms. Experienced in executing projects from scratch, handling both client-side and server-side development with a focus on performance and user experience.

Education

B.Tech in Computer Science and Engineering

Baba Farid College of Engineering and Technology, Bathinda
CGPA: 7.5

2022 – 2026

Higher Secondary Education (Non-Medical)

Sri Guru Harkrishan Public School, Bathinda
Percentage: 85.3%

2020 – 2022

Secondary Education (10th)

Sri Guru Harkrishan Public School, Bathinda
Percentage: 86%

2019 – 2020

Skills

- **Languages:** JavaScript, Java
- **Frontend:** HTML, CSS, Tailwind CSS, ReactJS, Redux
- **Backend:** Node.js, Express.js, Flask
- **Database:** MongoDB, MySQL
- **Tools:** Git & GitHub, Postman, VS Code, IntelliJ, GSAP
- **Others:** REST APIs, JSON, DSA (Java)

Projects / Hands-on Experience

ShopByte – E-commerce Web Application

<https://shop-byte-ecommerce.vercel.app>

React.js | Node.js | Express | MongoDB | Firebase Auth | Tailwind CSS

- Built a full-stack e-commerce platform with **user authentication, admin panel, and product filtering**, achieving **100% mobile responsiveness** and cross-browser compatibility.
- Designed and deployed **secure RESTful APIs** for product management and cart functionalities, resulting in **50% faster API response times**.
- Implemented **Firebase Authentication**, creating multi-factor authentication and role-based admin access, fortifying data security and reducing unauthorized access incidents by 60% within the platform.
- Conducted **manual and automated testing (Postman, Jest)** ensuring robust API performance and fault tolerance.

Real-Time Chat Web Application

<https://chat-application-xi-nine.vercel.app>

React.js | Node.js | Express | MongoDB | WebSockets | REST APIs

- Designed a **modular architecture** for chat components, facilitating easy integration of future enhancements like media sharing and notifications.
- Integrated **JWT Authentication** for session management, ensuring secure and persistent user logins.
- Created a **custom WebSocket event handling system** for efficient message broadcasting and error handling.
- Conducted **load testing using Locust**, identifying bottlenecks and improving server scalability for up to 500 simulated users.
- Documented project architecture and API endpoints for **developer onboarding and open-source contributions**.

Training & Certifications

- Intel Knowledge Representation Training Program (Intel, 2024). [link](#)
- Infosys Python Training Program (Infosys, 2023). [link](#)