

# Yashveer Singh

Burdwan, India

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## SUMMARY

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Full-Stack Developer and Computer Science Engineering student (CGPA: 8.6) with hands-on experience building scalable MERN applications. Proven ability to design secure, high-performance systems, implement real-time architectures, and integrate Generative AI into production-ready workflows.

## EDUCATION

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**University Institute of Technology, The University of Burdwan** Jul 2023 – Present  
B.E. in Computer Science & Engineering  
CGPA: 8.6 (Till 5th Semester)

## PROJECTS

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**Green Valley Poultry Farm** Apr 2026  
Live Project | GitHub Repository

- Engineered a full-stack e-commerce platform handling dynamic product inventory and order workflows.
- Improved frontend performance by **35%+** through SPA architecture and optimized rendering.
- Implemented OTP-based passwordless authentication, reducing login friction and improving user experience.
- Designed REST APIs supporting real-time cart updates with **sub-second response times**.
- Automated admin notifications, reducing manual monitoring effort by **50%**.

**TaskFlow – Real-Time Task Management System** Apr 2026  
Live Project | GitHub Repository

- Architected a multi-tenant MERN system ensuring secure workspace-level data isolation.
- Developed real-time Kanban board using Socket.io with **<100ms synchronization latency**.
- Implemented JWT authentication securing **100% of protected endpoints**.
- Achieved **zero downtime deployment** through optimized CI/CD and routing fixes.
- Supported multiple concurrent users with stable performance under load.

**Ledger System (Backend)** Apr 2026  
Live API | GitHub Repository

- Built secure REST API handling financial transactions and account management workflows.
- Implemented JWT authentication with bcrypt encryption for secure access control.
- Designed transaction engine ensuring **100% data consistency**.
- Achieved **<500ms average API response time**.

## SKILLS

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**Languages:** C, C++, JavaScript

**Frontend:** React.js, HTML5, CSS3, Tailwind CSS

**Backend:** Node.js, Express.js, REST APIs, JWT Authentication

**Tools:** Git, GitHub, Postman, Render, MongoDB Atlas

## CERTIFICATIONS

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- **Anthropic Developer Series** – Prompt Engineering & Claude API 2026
- **IBM SkillsBuild** – Getting Started with Cybersecurity 2026
- **Simplilearn** – Machine Learning Using Python (ID: 10085948) 2026
- **Simplilearn** – Introduction to Generative AI (ID: 10085228) 2026
- **Simplilearn** – Web Development for Beginners (ID: 10084960) 2026

## LEADERSHIP & ACTIVITIES

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- **Peer Mentor, CodeBird Club:** Guided students in DSA and MERN stack development.
- **Hostel Representative:** Coordinated logistics for **100+ students**.
- **NSS Volunteer:** Actively contributed to community and social initiatives.