Gurwinder Singh

✉ gurwindergagan07@gmail.com /+ *91* 8389096677/

○ gurwinder-gg/ in gurwinder.singh

EDUCATION

Netaji Subhash Engineering College *Aug 2023 - Jun 2027 (Expected)*
B.Tech in Electronics and Communication Engineering
Relevant Coursework: Object-Oriented Programming, Database, Data Structures and Algorithms, Embedded Systems, Statistics and Probablity

Burnpur riverside School *Mar 2008 - Mar 2022*
Central Board of Secondary Education (CBSE)

SKILLS

Languages: C, C++, Python, JavaScript, TypeScript, SQL
Technologies & Tools: ReactJS, Next.js, Node.js, Nest.js, Express, Firebase, MongoDB, PostgreSQL, VS Code, Git, GitHub
Domains & Expertise: Natural Language Processing (NLP), Data Analysis, Back- end Development, Frontend Development
Soft Skills: Leadership, Team Collaboration, Problem-Solving, Time Management, Communication, Adaptability

ROLES AND RESPONSIBILITIES

IIM Bangalore (Remote, Bangalore) *June-August (2025)*
Research Intern
- Streamlined large-scale financial datasets (7,000+ entries) using Excel and Python, improving workflow efficiency by 30%.
- Conducted research on corporate governance, regulatory compliance, and board appointments, identifying trends, diversity patterns, and governance implications.
- Analyzed 32,000+ board member profiles for skill mapping and alignment, integrating quantitative insights with policy evaluation

SAIL (Onsite, Burnpur) *June – July (2025)*
Vocational Trainee Intern

- Gained direct exposure to core steel manufacturing units, including Coke Ovens, Sinter Plant, Blast Furnace, Basic Oxygen Furnace, and Continuous Casting operations.
- Assisted with plant maintenance and allied engineering services, building practical problem-solving skills to ensure safety and reliability in industrial processes.
- Collaborated with cross-functional teams to optimize process control and automation solutions for enhancing steel plant operations.

PROJECT WORK

Chat App
- Developed real-time messaging and multi-room functionality using WebSockets (Socket.io), supporting 100+ concurrent users.
- Implemented voice-note recording/playback, secure authentication (NextAuth), and media upload pipeline (AWS S3/Cloudinary), ensuring reliable storage and user privacy.
- Designed a responsive UI with TailwindCSS & ShadCN UI; optimized client-server interactions for smooth UX across devices.

CERTIFICATIONS

- **Microsoft Excel (Udemy)** – Demonstrated proficiency in advanced Excel functions, data cleaning, pivot tables, dashboards, and automation for analytical and financial reporting tasks.
- **Financial Markets (Yale University)** – Gained comprehensive understanding of capital markets, risk management, and financial instruments; applied economic reasoning to investment and policy decision-making.

LEADERSHIP & EXTRACURRICULARS

- **Co-Event Coordinator CSR Club:** Organized blood donation camps and social outreach events; managed volunteers and logistics.
- **PR & Outreach Team Member GDG OnCampus:** Led strategic promotional campaigns, managed partnerships, and coordinated outreach initiatives to boost event visibility, student participation, and community engagement across campus.