



Gurmeet

Roll No.: 124105030

Bachelor of Technology

Electronics and Communication Engineering

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GitHub

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EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech ECE	National Institute of Technology, Kurukshetra	NIT Kurukshetra	8.0792	2024-2028
Senior Secondary	Dalamwala Public School	CBSE, Haryana	86.80%	2023
Matriculation	Aaron Public School	CBSE, Haryana	91.80%	2021

EXPERIENCE

- National Institute of Technology, Kurukshetra** June 2026 - July 2026
Cloud Security Research Intern under Prof. Vikas Mittal Kurukshetra
 - Authored and submitted a conference paper proposing an intelligent, adaptive data ingestion pipeline designed to handle high-velocity, real-time IoT data streams.
 - Designed and evaluated a deviation detection model to automatically identify and adapt to unnotified syntax and semantic changes in incoming data during ingestion.
 - Improved the resilience of streaming data applications by successfully mitigating the effects of continuous data drift, ensuring high data quality for downstream analytics.
- Open Source Contributor** May 2026 - August 2026
GirlScript Summer of Code (GSSoC) Remote
 - Successfully resolved and merged 10+ Pull Requests across diverse open-source repositories during the Summer of Code timeline.
 - Collaborated with distributed engineering teams to debug core pipeline architectures and refactor modular components.

PROJECTS

- CampusRun—NIT KKR** April 2026
Github | Demo
 - Built a full-stack intra-campus peer-to-peer delivery platform for NIT Kurukshetra, enabling students to post and fulfill parcel/food/grocery delivery requests within campus.
 - Tech stack: React 18, TypeScript, Vite, TailwindCSS, shadcn/ui, Node.js, Express, Prisma ORM, PostgreSQL (Neon), Cloudflare R2, Razorpay, Leaflet, React Query, Zod, JWT, bcrypt, Docker.
 - Implemented college-email OTP auth (@nitkkr.ac.in), AI-based ID verification (Gemini), real-time GPS order tracking, in-app chat, secure UPI payments, dynamic pricing, ratings, and production-grade security (Helmet, rate limiting, input validation).

TECHNICAL SKILLS AND INTERESTS

- Languages:** C, C++, Python, HTML, CSS, JavaScript, TypeScript, SQL, Bash
- Developer Tools:** Git, GitHub, Docker, VS Code, Apache Kafka, Jupyter Notebooks
- Frameworks:** FastAPI, React.js, Apache Spark, PyTorch
- Cloud/Databases:** PostgreSQL, Hive, Delta Lake, Amazon S3, Data Encryption, HDFS, Render, Vercel, Cloudflare
- Soft Skills:** Problem Solving, Project Management, Teamwork, Leadership, Communication, Adaptability

KEY COURSES TAKEN

- Core Electronics:** Digital Electronics, Semiconductor Devices, Signals and Systems, Network Analysis & Synthesis, Analog Electronics, Electromagnetic Field Theory
- Computer Science:** Data Structures and Algorithms, Object-Oriented Programming (OOPs), Computer Organization & Architecture, Programming in C/C++
- Mathematics & Engineering:** Linear Algebra & Differential Equations, Numerical Methods, Probability & Statistics

POSITIONS OF RESPONSIBILITY

- Technical and Logistics Coordinator**, Alumni Cell, NIT Kurukshetra September 2025 - Present
- Technical and Web Management Coordinator**, Startup Cell, NIT Kurukshetra October 2024 - Present

ACHIEVEMENTS

- Published Research Paper:** Co-authored and submitted a conference research paper on "Intelligent, Adaptive Data Ingestion Pipelines for IoT Streaming Data" under the guidance of Prof. Vikas Mittal 2026