JATIN KUMAR

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Summary

Highly motivated and results-driven second-year Electronics and Communication Engineering student at Guru Nanak Dev University, Amritsar. Strong academic record (State Topper, 12th Grade) with a solid foundation in basic electronics, IoT, and web development. Experienced in developing innovative projects and actively contributing to career development initiatives through the Electronics Student Forum (ESF). Passionate about applying technical expertise and leadership skills to real-world challenges in the tech and electronics industries. Proven ability to work both independently and collaboratively, demonstrated by national-level hackathon participation and leadership roles.

Education

Guru Nanak Dev University, Amritsar
Bachelor of Technology (B.Tech) in Electronics and Communication Engineering | Expected Graduation: 2027

Punjab School Education Board
12th Grade | Scored 98.4% (State Topper)

Current CGPA=8.75

Technical Skills

Programming Languages: C, C++, Arduino IDE, HTML, CSS, JavaScript
Technologies: Internet of Things (IoT), Basic Electronics, Web Development, Drone Technologies (UAV)
Tools & Platforms: Arduino, NodeMCU boards, Web Servers, Sensors & Actuators

Projects

IoT-Based Agriculture Robot
- Developed an intelligent agriculture robot controlled via a web server, demonstrating skills in embedded systems and web technologies.
- Presented at a National Level Hackathon organized by BFCET Bathinda in collaboration with iHub Awadh IIT Ropar.

React-Based Web Application for Book Donation
- Engineered a full-stack web application using React.js to streamline book donations and management.

IoT-Based Home Security System
- Designed and implemented a smart home security system based on IoT technologies.

- Awarded an Honorary Prize at Tech Fest, GNDU Mechanical Department, for innovation and technical execution.

Additional Projects
- Built various IoT and basic electronics projects, including smart lighting systems, home automation solutions, and multiple sensor-based applications.

Achievements & Recognition
- Honorary Prize Winner: Recognized for the IoT-Based Home Security System at GNDU Tech Fest.
- State Topper (12th Grade): Achieved 98.4% in Punjab School Education Board examinations.
- National Level Hackathon Participant: Showcased problem-solving and collaboration skills at hackathons organized by BFCET Bathinda and iHub Awadh IIT Ropar.

Workshops & Trainings
5-Day Drone Workshop | NIT Jalandhar | January 2025
- Gained hands-on experience with Unmanned Aerial Vehicle (UAV) technologies and applications.

Leadership & Extracurricular Activities
Placement Team Member | Electronics Student Forum (ESF) | Department of Electronics & Communication Engineering, GNDU Amritsar
- Support placement initiatives and career development activities for students.

Class Representative (CR) | Department of Electronics & Communication Engineering, GNDU
- Elected leader, responsible for representing student interests and enhancing class coordination.

Interests
Basic Electronics & IoT Systems, Sketching, Traveling, Exploring New Places

Languages
English (Fluent), Hindi (Fluent), Punjabi (Native)

References
Available upon request.