

NOIL GUPTA

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Education

Harcourt Butler Technical University, Kanpur	2023 - Present
• Electrical Engineering CGPA: 7.2	
Sumeet Rahul Sr. Sec. School, Agra	2021 - 2022
• Class XII (CBSE) Aggregate: 95.2%	
Sumeet Rahul Sr. Sec. School, Agra	2019 - 2020
• Class X (CBSE) Aggregate: 90.8%	

Skills

Languages: Python, Java, C, C++, JavaScript

Frameworks/Tools: React, Node.js, Express.js, MongoDB, Git

Core Engineering: Object-Oriented Programming, Data Structures & Algorithms

Additional: MySQL, Responsive Design, UI/UX Principles, MATLAB (Intermediate)

Soft Skills: Collaboration, Technical communication, Project management, Team leadership

Projects

Autonomous Maze-Solving Robot Using Sensor-Based Navigation	Feb'24
Designed a microcontroller-based autonomous robot for real-time path detection, decision-making, and maze traversal using sensor-driven logic.	
• Implemented IR-sensor-based detection and adaptive decision algorithms, increasing navigation consistency by 15% in complex maze environments.	
• Developed modular and scalable algorithmic architecture aligned with structured software development practices and embedded C programming .	

High-Performance Robo Soccer Bot for Real-Time Motion Control	Sep'23
Engineered a fast-response robotic soccer bot emphasizing real-time control, precision maneuvering, and algorithmic motion optimization.	
• Developed low-latency, real-time motor control algorithms, improving on-field responsiveness by 20% and maximizing directional accuracy.	
• Applied user-centered design principles by iteratively refining bot interaction, feedback, and performance metrics.	

Achievements

• Winner of multiple IEEE technical quizzes , demonstrating proficiency in analytical problem-solving and technical domain knowledge.
• Top performer in inter-college chess tournaments, showcasing strategic reasoning and efficient decision-making under pressure .
• Presented engineering projects at departmental events, strengthening technical communication skills .
• Participated in reasoning and financial literacy challenges, focusing on data interpretation and structured analysis .

Positions of Responsibility

President Association of Electrical Engineering, HBTU	Sep'25 - Present
• Led a 200+ member association, managing the execution of 12+ technical events, workshops, and speaker sessions.	
• Enhanced departmental outreach by coordinating with faculty and external groups, requiring strong written and oral communication with stakeholders	
• Collaborating with faculty and external industry groups to enhance technical exposure for students.	

Community Head Chess Club, HBTU	Aug'25 - Present
• Leading club operations, mentorship programs, and player development activities.	
• Organized 10+ inter-college chess tournaments with 150+ participants; handled logistics, communication, and event promotion.	
• Conducting community engagement initiatives to increase event participation and club visibility.	

Hobbies

Chess | Design | Badminton | Dance