



# ADITYA KUMAR

Roll No: 2204164

Electronics And Communication Engineering

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	National Institute of Technology, Patna	8.70	2022-2026
Intermediate	St. Aloysius Sen. Sec. School, Shakti Marg Jabalpur	95.8	2019-2021
Matriculation	St. Aloysius Sen. Sec. School, Shakti Marg Jabalpur	93.6	2018-2019

## PROJECTS

- Snake Water Gun Game** 2024  
Tools: Automated tasks using Python scripts, improving efficiency by 35%  
– Leveraged Python to implement a rule-based Snake Water Gun game with scorekeeping functionality, facilitating competitive play.
- EXPRESSO - The Literary and Art Club NIT Patna's Official Website** 2024  
Tools: Developed using a cutting-edge tech stack (HTML, CSS, JavaScript, ReactJS) for an engaging user experience.  
– Implemented a feature-rich and visually appealing interface using the latest web technologies (HTML, CSS, JavaScript, ReactJS) to enhance user satisfaction and showcase the club's talent.
- QR Generator** 2024  
Tools: Developed using core web technologies (HTML, CSS, JavaScript, JQuery) for a functional and user-friendly experience  
– Built a QR code generator platform capable of handling large volumes of text and simplifying the process of creating QR codes from text and URLs.
- Electronic Drum Set** 2024  
Tools: Built with front-end technologies (HTML, CSS, JavaScript) for a visually appealing and interactive experience.  
– Engineered a web-based Jazz Drum game using keyboard input, offering a novel and interactive way to learn and play basic jazz rhythms .

## SKILLS & INTERESTS

- Programming/Markup Languages:** C, C++, Python, Java, HTML, CSS, JavaScript, SQL
- Framework:** ExpressJS, ReactJS
- Cloud/Database:** MySQL, Postgres.
- Designing and Softwares:** UI/UX Designing, Graphics, Image and Video Editing / Figma, Adobe (Illustrator, Lightroom, Photoshop, Premiere Pro)
- Softskills:** Accountability, Communication, Adaptability, Collaboration, Open-Mindedness, Leadership, Problem Solving, Patience.
- Areas of Interest (Tech):** Software and Web Development, 5G, Chips Design, Filter, and System Design.
- Areas of Interest (Non-Tech):** Literature Art and Culture, Photography, Travelling and Exploration.
- Coursework:** Data Structures and Algorithm, Object Oriented Programming, Wireless Sensor Technology, Digital Signal and Image Processing, Digital & Analog Electronics.

## POSITIONS OF RESPONSIBILITY

- Technical Co-Coordinator**, The Annual Techno Cultural Fest - Corona And Melange, NIT Patna Year 2024
- Operational Co-Head**, Espresso - The Literary And Art Club, NIT Patna March 2024 - Present
- Public Relations And Marketing Head**, Design Company (DesCo), NIT Patna July 2024 - Present
- Media and Content Team**, Think India Student Chapter , NIT Patna August 2023 - Present
- Event Management Team**, Get Your Book Club (GYB), NIT Patna September 2023 - Present
- Campus Ambassador**, E-Cell, IIT Bhubneshwar Year 2023
- Campus Ambassador**, E-Cell, IIT Madras Year 2024
- Campus Ambassador**, Kashiyaatra, IIT BHU Varanasi Year 2024

## ACHIEVEMENTS

- Secured 1st Place in Don't You Dare (Avlokan 2024).
- Secured 2nd Place in Article Writing (G20 Summit 2023), showcasing strong research, writing, and analytical abilities.
- Secured 2nd Place in IP (NITP MUN 2023), demonstrating critical thinking, research, and negotiation skills
- Secured 3rd Place in an English Debate (Corona & Melange 2023), showing communication and persuasive reasoning skills.
- Secured 3rd Place in Secret Superstar Instrumentalist (Corona & Melange 2023)
- City Topper in Brain O Mania (Resonance 2019), showcasing a strong knowledge base and critical thinking skills.