



Indrajit Koley

Roll No.: 2248015

Dual Degree

Electronics and Communication

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GitHub Profile

LinkedIn Profile

EXPERIENCE

•Robotics Club

February, 2023- Present

Technical Member

- Documentation and design of the bot for ISRO Rover Project
- Designed Anti-Crashing Bot, Line Following Bot

Patna

•DesCo

October, 2023- Present

Content Writer, Photography Lead

- Documented and streamlined messages for DesCo, creating detailed templates that improved consistency and increased head count of events by 4x.
- Coordinating with different team members organising speakers event.

Patna

•GYB Club

September, 2023- Present

Web Team Member

- Developed the website of the club with other team members being a team lead.

Patna

PERSONAL PROJECTS

•Sportify Clone

Built the frontend of the Spotify Website. It's a semi responsive website.

- The technologies used are HTML, Bootstrap and CSS.

•Simon Say Game

Developed and implemented a Simon Says game, involving a sequence-matching challenge where players must repeat color patterns.

- Demonstrated proficiency in programming, user interface design, and logic development. The technologies used are HTML, CSS and JavaScript.

•Sudoku Solver

It's a 9*9 matrix with empty spaces and numbers at random positions, the empty spaces will be filled in the result.

- Created a Sudoku Solver utilizing algorithms to automatically complete Sudoku puzzles of varying difficulty levels. The algorithm used is back tracking and the language used is Java.

•N-Queen

Implemented a solution for the N-Queen problem, placing N queens on an N×N chessboard so that no two queens threaten each other.

- The algorithm used is back tracking and the language used is Java.

EDUCATION

–National Institute of Technology Patna

2027

Dual Degree Electronics and Communication

CGPA: 6.84

–Tagore Academy

2021

Indian School Certificate, Jharkhand

Percentage: 89

–Tagore Academy

2019

Indian Certificate of Secondary Education, Jharkhand

Percentage: 93.2

TECHNICAL SKILLS AND INTERESTS

Languages: Java, C, C++, Java Script, MATLAB, Verilog

Developer Tools: GitHub, VS Code

Frameworks: Node.js, Express.js

Soft Skills: Communication, Leadership, Time Management, Teamwork

Coursework: DSA, OPPs, Signal Processing, Optimization Techniques, Semiconductor Technology, Digital Electronics

Areas of Interest: Robotics and Automation, IoT Development, Software Development, Web Developer

ACHIEVEMENTS

–**Founders Fusion** : 2nd position in business pitch hackathon of NIT Patna. It's a one stop solution for travel solutions. The idea was about the generative AI travel chat bot which would help customers plan their travel itinerary and also book their journey to make.

–**Brand Crusade** : 3rd Position in Brand Crusade hosted by Amity Patna. It was an event where we have to re-brand a company and pitch the business plan according to it. I re-branded the Colgate to a desert company Waffa-Roma.

–**JEE Mains** : 96.97 percentile in 2023 JEE Mains

–**Olympiad** : Cleared PRMO twice and RMO once and multiple times school olympiad.

–**Quiz** : Won a lot of Quiz competition in school level.