

Aman Raj

Electronics and Communication Engineering
Shri Mata Vaishno Devi University, Katra

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PROFILES

- <https://github.com/aman129raj>
- [linkedin.com/in/aman-raj-138169237](https://www.linkedin.com/in/aman-raj-138169237)

SUMMARY

Electronics and Communication Engineer Intern dedicated to improving skills through hands-on learning and development work. Well-organized and collaborative team player with strong communication and analytical abilities.

I care about making the customer happy, testing, accessibility, teamwork, and code quality.

SKILLS

- **Programming Languages:** C (Intermediate Level), [C++, HTML, JavaScript] (Beginner Level), [MATLAB](Beginner Level), Python(Beginner Level), Wireless and Digital Communication
- **Web Technologies:** ReactJS, CSS, Node JS
- **Platforms:** Visual Studio Code, Arduino, Excel, Modelsim, SPICE, Google Colab, MATLAB

INTERNSHIP/WORK EXPERIENCE

Master Control Facility, Indian Space Research Organization (ISRO), Hassan 09/2024 - 09/2024

- Worked as the intern on the various topics related to the satellite communication and antenna RF signals communication

Research Intern, Indian Institute of Technology, Ropar 05/2024 - 06/2024

Machine Learning, Deep Learning, MATLAB, Python

- Worked as the research intern on the topic "Demystifying Pilot Placement: A BER Analysis" under the supervision of Dr. Satyam Aggarwal, Electrical Engineering Department, IIT Ropar.

Software Developer Intern, HDLC Technologies(AICTE APPROVED) 07/2023 - 08/2023

Domain: Web Development

- HDLC is a technology company, which aims to change the way businesses operate daily via our AI Products

CERTIFICATIONS

- NPTEL: Introduction to Cloud Computing
- NPTEL: Computer Networks and Internet Protocol
- Oracle Cloud Infrastructure Architecture Foundation & Associate Certified

PROJECTS

Robotic Car

Arduino, Relay Module, Wifi-module

- Developed a robotic car vehicle using Arduino and a Wi-Fi module.

IoT Based Mining Industry Safety Monitoring System

NodeMCU ESP 8266, DHT22 Sensor, IR Sensor, Buzzer, Pressure Sensor, Air Quality Sensor

- Developed and designed an IoT Based Smart Helmet for Mining Industry.

Weather Application using ReactJs

HTML, CSS, JavaScript, ReactJS

- Designed the weather application using ReactJS & API that gives the current weather details for the locations.

EDUCATIONAL QUALIFICATIONS

Shri Mata Vaishno Devi University - Katra 2021- 2025

B. Tech, Electronics and Communications Engineering, CGPA-7.59 (till 6th semester)

Intermediate - Delhi Public School - Bokaro, Jharkhand 2021

Final Grade: 82%

Chapra Central School - Chapra, Bihar 2019

Final Grade: 90.2%

POSITION OF RESPONSIBILITY

- **Event Organizing Member** at Titiksha, The Electronics Fest, 2023 of SMVDU Katra.
- **Core Member** at Tarang Club, The Electronics Society.