

Devansh Rastogi

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EDUCATION

Indian Institute of Technology Madras

Bachelor of Science in Data Science and Applications

Chennai, Tamil Nadu

Jan. 2024 – Dec. 2027

Guru Gobind Singh Indraprastha University

Bachelor of Technology in Computer Science, Minor in AI & ML

Dwarka, Delhi

Sep. 2021 – July 2025

EXPERIENCE

Data Science Intern

IBM SkillsBuild — CSRBOX

Feb. 2024 – Mar. 2024

Remote

- Acquired sound technical knowledge of data cleaning and preparation, statistical analysis and data visualization
- Tested this knowledge on the analysis of a real-world project through a case-study
- Learned to interpret the results of the analysis and presented them effectively

Blockchain Developer Apprenticeship

IBC Media

Aug. 2023 – Oct. 2023

Remote

- Acquired good working knowledge of the Rust programming language and the Substrate framework
- Developed a blockchain-based decentralized application (dApp) on Polkadot
- Keenly absorbed smart contract intricacies and consensus mechanisms

Liaison Officer

G20 Conference on Crime and Security in the age of NFTs, AI & Metaverse

July 2023

Gurugram, Haryana

- Facilitated collaboration among G20 nations' representatives
- Ensured seamless communication on emerging NFT, AI, and Metaverse challenges
- Fostered collective strategies for global crime and security

RELEVANT PROJECTS

Packet Sniffer | C++

May 2024 – Present

- Developed a basic network traffic analyzer tool that monitors and analyzes network traffic in real-time
- Configured the network interface in promiscuous mode to intercept all network segment packets
- Implemented packet capture functionality using PCAP library
- Captured and printed out packet data in HEX and ASCII format

Hotel Reservation System | Ballerina, Choreo, React.js

Feb. 2024

- Implemented an API service using Ballerina programming language to demo a simple hotel reservation use case
- Developed front-end using React.js and built this project as a part of a buildathon conducted at my college
- Acquired sound technical knowledge about Ballerina and Choreo concepts
- Deployed the fully working Ballerina application on Azure cloud using Choreo

The GST Box | C++, Arduino, Sensor Integration, GPIO Programming

June 2022

- Developed a gas leakage detection device for homes and high-risk areas
- Detects gas leaks and immediately shuts off the mains power supply as a safety measure
- Utilizes a GSM SIM900A module to notify the owner via phone call and messages
- Controlled relay modules, GSM SIM900A and MQ2 sensors using Arduino

TECHNICAL SKILLS

Languages: C, C++, Python, Java, Swift, SQL

Frameworks: Docker, SwiftUI

Developer Tools: Git/GitHub, Docker/DockerHub, VS Code, Xcode

Hardware Skills: Arduino, Raspberry Pi, Circuit Design, Sensor Integration, GPIO Programming