Devansh Rastogi

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EDUCATION

Indian Institute of Technology Madras   Chennai, Tamil Nadu
Bachelor of Science in Data Science and Applications   *Jan. 2024 – Dec. 2027*

Guru Gobind Singh Indraprastha University   Dwarka, Delhi
Bachelor of Technology in Computer Science, Minor in AI & ML   *Sep. 2021 – July 2025*

EXPERIENCE

Data Science Intern   Feb. 2024 – Mar. 2024
IBM SkillsBuild — CSRBOX   *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   Aug. 2023 – Oct. 2023
IBC Media   *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   July 2023
G20 Conference on Crime and Security in the age of NFTs, AI & Metaverse   *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