MOHD SABIR

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OBJECTIVE

I'm a computer science student specialization with cyberSecurity, as a student exploring the cyberSecurity field, I'm eager to learn from professionals and apply my problem solving and technical skills to real security challenges. My goal is to build a strong foundation in areas like threat analysis and data protection through hands-on experience.

EDUCATION

Bachelor of Technology 2024-2028
Indian Institute of Information Technology, Kottayam , CGPA: 7.07

Intermediate - *Cheena Public School* 2022
Percentage: 82.6

High School - *Cheena Public School* 2020
Percentage: 86

SKILLS

Programming Languages: C, C++, Java, Python, shell scripting
Frontend Development: HTML, CSS
Core CS Fundamentals: Operating Systems,Computer Organization, Object-Oriented Programming, Data Structures, DBMS
Tools and Technologies: Git, GitHub, tcpdump, wireshark, BeEF, Nmap, Jupyter Notebook
Soft Skills: Critical Thinking, Problem Solving, Teamwork, Time Management

PROJECTS

1. Quantum Teleportation — Implementation and Simulation (github-link)
Implemented and analyzed the quantum teleportation protocol end-to-end using Qiskit and simulators, and prepared documentation/visuals for evaluation and presentation.

- Implemented the 3-qubit teleportation circuit (state preparation, Bell-pair creation, Bell measurement, classical feed-forward corrections) and verified behavior in Jupyter notebooks.
- Simulated ideal runs using Aer/AerSimulator and ran/debugged with IBM Quantum runtime (QiskitRuntimeService) for hardware-compatible execution.
- Computed teleportation fidelity via state tomography (measuring in Z/X/Y bases) and compared ideal vs noisy/hardware results.
- **Tech Stack:** Python, Qiskit (qiskit, qiskit-aer, qiskit-ibm-runtime), QuTiP (where used), Jupyter Notebooks, Matplotlib, NumPy, Git/GitHub, IBM Quantum platform.

Some Quantum Algorithms

- **Super Dense Coding (Available)**
- **Shor's Algorithm (Available)**

AWARDS AND ACHIEVEMENT (Available)

- **Hackathon - The escalating IoT Security Crisis** 26 January 2026
  Participating in first hackathon currently going UDBHAV inter IIIT hackathon, My team qualified round 1 from college and we participated in round two which is national level and the result will be announced on 16th november.
- **Open Source Contributor at GSSoC 2025**
  Selected as a Contributor for GirlScript Summer of Code (GSSoC) 2025, contributing to open-source projects.
- **Solved 90+ Data Structures and Algorithms (DSA) problems**