

Asad Ameer



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CAREER SUMMARY

Computer Science undergraduate with strong skills in programming, object-oriented design, and data structures. Proficient in SQL, networking basics, and cybersecurity fundamentals. Experienced with tools like MySQL Workbench, VS Code, and Cisco Packet Tracer. Eager to contribute to innovative projects and grow professionally in tech.

CORE STRENGTHS & ENABLING SKILLS

- **Programming Languages:** Proficient in C++ and Java, Basic knowledge of Python.
- **Software Development:** Strong foundation in Programming Fundamentals, Object-Oriented Design(OOP) and modular Architecture.
- **Data Structures & Algorithms:** Skilled in implementing arrays, linked lists, stacks, queues, trees, and graphs with performance-focused problem-solving.
- **Database Management:** Experienced in designing relational databases, writing optimized SQL queries.
- **Computer Networking:** Understanding of TCP/IP and OSI models, IP addressing, subnetting, routing protocols, and key network services such as DNS and DHCP.
- **Information Security:** Familiar with the CIA Triad, cryptographic principles, firewalls, intrusion detection/prevention systems (IDS/IPS), and social engineering threats.
- **Artificial Intelligence:** Familiar with foundational AI concepts including intelligent agents, search algorithms, and knowledge representation.
- **Tools & Technologies:** Hands-on with MySQL Workbench, VS Code, and basic use of Wireshark and Cisco Packet Tracer.
- **Analytical Thinking:** Strong problem-solving mindset, with a focus on code efficiency and debugging.

PROFESSIONAL EXPERIENCE/PROJECTS

- Developed multiple console and GUI-based applications in C++ and Java using object-oriented programming principles. (Hotel Management System – Python, HTML, CSS)
- Designed and implemented data structures such as arrays, linked lists, stacks, and trees for algorithmic problem-solving. (Expert System – Rule-based reasoning system)
- Simulated and configured computer networks using Cisco Packet Tracer, applying knowledge of subnetting, IP addressing, and protocols. (Client-Server Chat Application – Socket Programming in C++ or Python)

ACADEMIC QUALIFICATION

| Description | Institute / University | Year |
|------------------------------------|------------------------|---------|
| ▪ COMSATS University Islamabad* | ▪ COMSATS | Present |
| ▪ Intermediate F.sc. (Pre-Medical) | ▪ BISE, Multan | 2023 |
| ▪ Matriculation | ▪ BISE, Multan | 2021 |

LANGUAGE

English, Urdu, Saraiki and Punjabi.



CamScanner