

MENAHAL SAGHIR CHAUDHRY

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Education

Abu Dhabi University

Bachelor of Science in Cybersecurity Engineering

Abu Dhabi, UAE

Sep. 2023 – Nov. 2027

- CGPA: 3.646 / 4.0
- Member of Dean's Honour Roll
- Awarded 20% Entrance and Continuing Scholarships for academic excellence

Relevant Coursework

- Introduction to Cybersecurity Engineering
- Data Structures and Algorithms
- Introduction to Digital Forensics
- Data Communications and Networks
- Database Management Systems
- Internet of Things: Foundation and Design
- Artificial Intelligence
- Operating Systems

Projects & Experience

Network Traffic Analysis | *Wireshark*

Feb 2024

- Analyzed DHCP and SMTP logs using Wireshark to monitor network activity and detect potential security incidents.
- Conducted deep packet inspection to analyze traffic patterns, protocol behavior and indicators of suspicious activity.
- Documented findings and proposed mitigation strategies aligned with network best practices.

Digital Forensics Investigation | *Autopsy, FTK Imager, Registry Explorer*

May 2025

- Reconstructed a complete data leakage timeline spanning 4 days across PC, USB, and CD-R evidence.
- Recovered deleted files, emails, and cloud artifacts despite active anti-forensics attempts by the suspect.
- Analyzed registry hives, browser history, Volume Shadow Copies, and email logs to establish suspect activity.

Arduino Sumo Robot Car | *C++*

Jan 2026

 github.com/menahals/ArduinoSumoRobotCar

- Built an Arduino-controlled sumo robot, demonstrating embedded systems, robotics, and hardware integration skills.
- Implemented motor control and stable chassis design to optimize performance in competitive environments.
- Secured 3rd place in the competition, highlighting successful execution and competitive strategy.

Deadlock Simulator | *Java, JavaFx*

May 2026

 github.com/menahals/DeadlockSimulator

- An interactive Deadlock Simulator that helps visualize resource allocation and Operating System deadlock handling techniques.
- Developed modules for deadlock scenarios, Wait-Die prevention, priority allocation and victim selection using JavaFX.
- Leveraged Java, JavaFX, Maven, and CSS to create a responsive desktop application.

Technical Skills

Languages: Python, Java, C++, C, JavaScript, SQL, Bash, HTML, CSS, XML

Frameworks & Technologies: MEAN Stack, REST APIs

Tools: Git, VS Code, NetBeans, Cisco Packet Tracer, Autopsy, Wireshark, Registry Explorer, FTK imager, Ubuntu

Other Skills: Network Traffic Analysis and Forensics, Data Structures & Algorithms, Data Analysis, Operating Systems Fundamentals

Leadership / Extracurricular

- Managed large student crowds during university events, maintaining order, safety, and efficient coordination.
- Took initiative as team lead in multiple course projects, coordinating task distribution and ensuring timely delivery.
- Competed in hackathons, applying cybersecurity and programming skills to solve real-world challenges under time constraints.