

**YOUSSEF HUSSAIN**

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## **SUMMARY**

I am a senior student at Ahram Canadian University, specializing in Network with a robust foundation in computer science, AI, and cybersecurity. I have a proven track record of developing efficient and innovative solutions, backed by hands-on experience in various programming languages and frameworks. My passion lies in leveraging technology to solve complex problems, with specific expertise in penetration testing and vulnerability assessment.

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## **PROFESSIONAL EXPERIENCE**

**Data Annotator | TELUS International**

**2022 - 2023**

- Accurately labeled and annotated data following comprehensive project guidelines.
  - Made justified decisions on ambiguous content by applying critical thinking to preserve dataset integrity.
  - Consistently adhered to established data labeling standards and protocols, ensuring the highest quality and reliability of data.
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## **EDUCATION & CERTIFICATIONS**

**Bachelor of Computer Science | Ahram Canadian University**

**2021 - 2025**

**GPA: 3.3**

**American Diploma | Smart Vision International School**

**2018 – 2021**

**Certifications:**

1. **Google Cybersecurity:** Python, Linux, SQL, packet analysis, Splunk, Threat and vulnerability analysis.
2. **IBM Data Analysis:** Excel, SQL, Relational Databases, Python, Jupyter Notebooks, Cognos Analytics.
3. **IBM Data Science:** Machine learning (supervised and unsupervised), python, SQL.
4. **CICSO CCNA:** Routing, Switching, Troubleshooting, Standards, and Protocols.
5. **EF SET (English):** C2.

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## PROJECTS

### COVID-19 Data Analysis and Visualization

**Technologies:** Python (Pandas, Matplotlib, Seaborn)

- Conducted extensive data analysis and visualization of COVID-19 trends.
- Presented findings through interactive Jupyter notebooks and dashboards.

### University Acceptance Prediction Model

**Technologies:** Machine Learning (Logistic Regression, Decision Trees, Random Forests)

- Developed a machine learning model to predict university acceptance probabilities.
- Improved model accuracy through data preprocessing and feature engineering.

### Box Office Analysis and HR Dashboard

**Technologies:** Power BI

- Designed interactive dashboards for box office analysis and HR metrics.
- Integrated multiple data sources for comprehensive insights.

### Cipher Encryption and Decryption Web App

**Technologies:** Full Stack (HTML, CSS, JavaScript, Flask, Python)

- Built a full stack web application for text encryption and decryption using various cipher algorithms.
- Ensured reliability and security through thorough testing.

### Penetration Testing and Vulnerability Assessment Projects

**Technologies:** NMAP, NPING, OWASP methodologies

- Conducted thorough penetration testing on web applications to identify vulnerabilities.
- Utilized various scanning techniques and tools to perform vulnerability assessments.
- Applied OWASP methodologies to enhance security measures in real-world projects.

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## SKILLS

- **Programming:** JavaScript, SQL, C++, C, Python, Bash
- **Tools:** Git, GitHub, Linux, Data Analysis, Power BI, Jupyter Notebooks
- **Cybersecurity:** Penetration Testing, Vulnerability Assessment, Packet Analysis, Splunk
- **Networking:** Routing, Switching, Troubleshooting
- **Soft Skills:** Problem Solving, Analytical Thinking, Self-Learning, Time Management