

# Youssef Sadek

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## Education & Skills

New Jersey Institute of Technology

Expected Graduation: May 2026

- Computer Science, B.S.
  - **Relevant Coursework:** Data Structures, Information Systems, Cyber Security, Data Science, Discrete Math
  - **Skills:** Java | C++ | PHP | Python | Sci-Kit Learn | Pandas | HTML/CSS | JavaScript | jQuery | React.Js | Angular | Git
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## Experience

Brand Ambassador - Apex Systems

Mar 2024 – Oct 2024

- **Promoted an AI-powered shopping** tool for Instacart, **boosting customer engagement** and driving technology adoption in retail settings.
- **Addressed customer inquiries** and **facilitated seamless product experiences**, providing valuable feedback to improve service and product offerings.
- **Troubleshooted and resolved issues** with the smart cart, ensuring a smooth shopping experience for customers
- **Earned a contract extension** due to **outstanding performance** and **commitment to excellence** in representing the brand

Jeweler - Diamond Crown

Nov 2023 – Present

- Delivered **personalized client service**, enhancing **satisfaction** and driving **repeat business** through clear, professional communication.
  - Conducted **detailed inventory audits** of **gemstones and metals** using **Excel** to maintain **accuracy** and minimize discrepancies.
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## Professional Development

Full python programing course

March - 2024

- Enhanced **problem-solving abilities** through **data analysis and visualization** using **Matplotlib**, **regular expression parsing**, and task **management**, proficient in **browser automation** with **Selenium**
  - Demonstrated expertise in Python programming, including the development of **graphical user interfaces & games with Tkinter**
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## Projects

**Job Scraper Web Application** (Python, Flask, BeautifulSoup, Requests, Bootstrap)

- Developed a scalable **Python web application** to scrape LinkedIn job listings, utilizing **Beautiful Soup** and **Requests** to accurately extract job titles, companies, locations, and salary details.
- Designed a responsive interface with **Bootstrap** and built a **JSON API**, enabling seamless integration and dynamic data fetching via **AJAX**.
- Implemented **RESTful API** endpoints, **handled HTTP errors**, and optimized performance for a reliable user experience.

**Vulnerability Scanner** (Python, Requests, Multithreading)

- Engineered a multithreaded **Python** tool for conducting website security **vulnerability scans**, integrating customizable headers & randomized User-Agent selection to accurately identify over **20 vulnerabilities**, including threats like **SQL injection**.
- Maintained multiple URL targets with **robust backup servers** for error handling, enhancing reliability & efficiency