Hiba Mirza

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SUMMARY

Junior Computer Science student at UIC adept in Python and C++. Seeking a software development internship where I can leverage my programming skills and experience in developing user-friendly interfaces and data models. Passionate about contributing to innovative software solutions within a collaborative team environment.

EDUCATION

University of Illinois at Chicago (UIC) - Bachelor of Science, Computer Science (Expected Graduation: May 2026)

RELEVANT COURSEWORK

- Introduction to Programming, Programming Practicum, Program Design (I, II), Mathematical Foundations of Computing, Machine Organization, Technical & Professional Communication in Computer Science

SKILLS

- Python, C++, C, Visual Basic, HTML, SQL, Power BI, Snowflake (Azure), DAX, Dash, PyCharm, Microsoft Office, Collibra Data Governance Center, Confluence

WORK EXPERIENCE

Authentic Learning Labs: (Lombard, IL)   *July 2024 - Present*
Generative AI Intern

- Created 1 interactive video-based scenario using generative AI tools for a human trafficking educational course, enhancing engagement and realism.
- Collaborated with a team of 6 individuals to integrate AI-generated content into the course framework, aligning with educational goals and improving the overall learning experience.
- Applied advanced generative AI technologies to design and refine video content, contributing to a modern educational tool aimed at addressing human trafficking awareness and prevention.

Northern Trust Asset Management: (Chicago, IL)   *May 2024*
Data Science Intern

- Collaborated with a team of 4 interns to develop a user-friendly interface for accessing ESG data within the Data Domain Self-Serve Application.
- Conducted meetings with data owners to define ESG data requirements and identify relevant data in the NTAM data vault.
- Utilized SQL and Snowflake to process and analyze over 6.5 million data records for reporting purposes.
- Designed and implemented 3 iterations of ad hoc reporting data models in Power BI, focusing on flexibility and ease of use for non-technical business users.
- Developed a presentation layer data model (semantic layer) in Power BI to enable users to easily slice, dice, and manipulate data to answer business questions.

PROJECTS

SparkHacks Project (24-hour Hackathon): (Chicago, IL)   *Feb 2024*

- Developed a '[Mood Booster](#)' web application using Python and the Dash framework.
- Integrated features like mood selection, breathing exercises, and access to mental health resources.
- Overcame challenges in styling and logic implementation by using Dash's built-in components and debugging tools to create an interactive and engaging platform.

LEADERSHIP, ACTIVITIES

- **Break Through Tech Chicago:** Advocate for gender diversity in tech, promoting initiatives to empower women in STEM.
- **Association for Justice in Kashmir (AJK):** Social Media Chair - Managed social media platforms, including content creation, scheduling, and engagement strategies.