

# Shrey Mistry

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## EDUCATION

### Toronto Metropolitan University

*Bachelors of Science, Computer Science*

*Relevant Coursework: Data Structures, Unix, Web Development, Databases, Computer Security*

**Expected Graduation: May 2026**

*Toronto, ON*

## EXPERIENCE

### Graphics Performance Analyst Intern

*AMD*

**Jan. 2024 – Aug. 2024**

- Conducted performance testing and delivered insights for AMD products to cross-functional teams.
- Automated data collection and maintained over **300** Python scripts, improving workflow efficiency.
- Modernized legacy codebases, enhancing maintainability and scalability.
- Collaborated with engineering teams to optimize product performance, ensuring compatibility with industry-standard tools.

### Supplier Quality Management Intern

*Bombardier Aerospace*

**May 2023 – Aug. 2023**

- Automated workflows using TypeScript-based scripts and Excel macros, reducing times by **70%**.
- Integrated interactive script buttons in Excel, improving operational efficiency.
- Applied data analytics to optimize processes and enhance decision-making across the department.
- Assisted in the creation of a centralized data reporting system to improve cross-team visibility and tracking.

## PROJECTS

### Media Store DBMS | *Python, Oracle SQL, CustomTkinter, cx\_Oracle*

**Jan 2025**

- Developed a Python application to interact with an Oracle Database for managing movie and music store records.
- Implemented features to display tables, manage entries (add, edit, delete), and allow users to execute custom SQL queries.
- Designed an interactive UI with CustomTkinter for an enhanced user experience.
- Integrated Oracle XE 21c and Instant Client for efficient database connectivity.

### Fullstack URL Shortening Service | *React, Node.js, Flask, Firebase, Azure, Docker*

**Sep 2023**

- Designed and deployed a scalable URL shortening service using React for the frontend, Flask for the backend, and Firebase for data storage.
- Built a modern, user-friendly interface with React to improve usability and engagement.
- Leveraged Docker for containerization and Azure for efficient deployment and hosting.
- Achieved seamless integration between frontend and backend systems, ensuring reliability and responsiveness.

### Machine Learning Chatbot | *Python, Disnake, Cohere, Git*

**May 2023**

- Developed a Machine Learning Chatbot using Python, Disnake API, and the Cohere API to generate stylistic and personality-based text responses through a prompt system.
- Implemented interactive chat functions via the Disnake API, creating a user-friendly interface that enables users to customize personalities seamlessly.
- Collaborated on version control with Git to ensure synchronized, smooth development.
- Presented a functional minimum viable product to hackathon judges, demonstrating natural language processing capabilities and engaging real-time user interaction.

## TECHNICAL SKILLS

**Front End:** React, JavaScript, TypeScript, NodeJS, HTML/CSS, Bootstrap

**Back End:** Python, Java, C/C++, Flask, Matplotlib, Pandas, NumPy, Azure, Firebase

**Developer Tools:** Docker, Git, npm, VS Code, Linux, Windows, MacOS, Microsoft Office, Google Suite