Leena Khan

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EDUCATION

University of Michigan — Ann Arbor, MI
B.S. in Computer Science, B.S. in Information — *Aug. 2021 – May. 2025*
GPA: 3.80/4.00

EXPERIENCE

Bank of New York — New York, NY
Software Engineer Intern, Cost Basis — *Jun. 2024 – Aug. 2024*
- Supported the migration of critical financial data processing from mainframe to distributed systems using Java and SQL, reducing operational costs and enhancing system scalability
- Engineered a robust output generation module in Java that produced accurate cost basis files and optimized data insertion into relational databases, improving data accessibility and system reliability
- Developed a Spring Boot-based UI page for the cost basis business, integrating transaction management with SQL databases, resulting in streamlined operations and improved user experience

M-fly — Ann Arbor, MI
Software Developer, Computer Vision Subteam — *Aug. 2023 – Present*
- Developing convolutional neural network to autonomously recognise shapes and characters from aerial images taken by an unmanned aircraft using OpenCV and Python
- Creating a robust synthetic dataset that mimics real-life images, exploring and verifying detection techniques under challenging conditions such as slanted angles, low contrast shape and character color combinations, and unclear images
- Optimizing neural network's performance by fine-tuning to enhance shape and character recognition capabilities, with a focus on real-world deployment at the Student Unmanned Aerial Systems competition

University of Michigan — Ann Arbor, MI
Instructional Aide, EECS 482 — *Jan. 2023 – Present*
- Leading discussion sections and helping students during lectures
- Holding office hours to assist students with assignments
- Collaborating with Graduate Student Instructors to create and revise homeworks and projects

Yum Brands — Plano, TX
Product Manager Intern — *May 2023 – Aug. 2023*
- Acted as a liaison between the development team and stakeholders, translating business requirements into actionable tasks to accelerate time-to-market
- Established an efficient intake and feedback process, streamlining communication within the team and enhancing collaboration between stakeholders, resulting in improved product development timelines
- Spearheaded the measurement and monitoring of onboarding metrics for Yum's Admin Portal application, employing real user monitoring and funnel analysis to identify pain points and user drop-offs, which informed targeted improvements to increase user retention

Michigan Data Science Team — Ann Arbor, MI
Project Lead — *Sep. 2022 – Jan, 2023*
- Led a team of 18 students working on analyzing college football game outcomes in the 2022 season using data analysis and machine learning techniques
- Taught team members fundamental data science skills and basic Python programming, preparing them to complete project tasks
- Built and trained an SVM machine learning model in Python to predict the outcomes of college football games in the 2022 season, achieving a 87% prediction accuracy and correctly predicting that Michigan would beat Ohio State

SKILLS

Languages: C, C++, Python, Java, JavaScript
Libraries: pandas, NumPy, NLTK, spaCy, scikit-learn, OpenCV, NetworkX
Misc: SQL, Linux, git