Ashish Behal

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EDUCATION

University at Buffalo, State University of New York
Master of Science, Engineering Sciences: Artificial Intelligence — *Expected Graduation December 2027*
Bachelor of Science, Computer Science — *Graduated May 2026*
- GPA: 3.60 out of 4.00

Monroe Community College
Associate of Science, Computer Science — *Graduated May 2024*

University of Rochester
Bachelor of Science, Neuroscience — *Graduated December 2022*
- Minors in both Economics and Arabic

SKILLS

- Programming Languages: Python, Java. Working knowledge: C, C++
- Additional technologies: PyTorch, SQL, NumPy, Pandas, OpenCV, scikit-learn, Git, React, Figma
- Basic soldering skills
- Eagle Scout (Highest rank earned in Boy Scouts of America)

EXPERIENCE

M&T Bank — **Buffalo, New York**
Software Engineer Intern — *June 2025 - August 2025*
- Designed and built an internal full-stack NLP-powered Record Mapping Tool web application for the Digital Data Records Retention (DDRR) team, achieving ~80% accuracy in mapping records to the enterprise retention schedule.
- Developed two similarity engines using TF-IDF and ConceptNet Numberbatch for record classification through user queries, reducing manual research for DDRR and streamlining application onboarding for data owners and stakeholders.
- Engineered a REST API to enable seamless communication between the React frontend and Flask backend, with Figma utilized for UI prototyping. Demonstrated end-to-end technical ownership with data preprocessing, NLP implementation, full-stack web application development, technical documentation, and internal stakeholder presentations.
- Collaborated with internal contacts to map legacy digital FileNet records, extracting 415 unique document types across 36 templates.

PROJECTS

UB NASA Lunabotics Software Team
- Incorporating computer vision into UB's lunar rover for NASA's Lunabotics competition. Utilizing the Nav2 framework in ROS to achieve full autonomous navigation.

UB Parking Lot Space Detection and Recommendation System
- Developed a convolutional neural network to analyze aerial images and determine the number of parking spaces available in a lot, with ~97% accuracy.
- Results used as part of a recommendation system also considering proximity to desired lecture hall, past user behaviors, lot ratings, etc. to display the top 5 recommended lots in a Python GUI.

"Auto OH" Office Hours App
- Built a full-stack web application to organize office hours for students, TAs, and professors.
- Features include profile creation/customization, joining a session queue 24 hours prior to start, creating/scheduling sessions, creating/joining courses, live session queue with updates, student/TA/professor views, student notes for instructors, and marking students present/absent.

Banking Dataset Tabular Model
- Developed a binary classification neural network model trained on tabular data from a marketing campaign of a Portuguese banking institution.
- Allows user to enter values for 16 features of a client (both categorical and continuous) to predict whether or not they are likely to make a term deposit, with ~90% accuracy.