

# Adnan Ashraf

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## EDUCATION

### University of Toledo

Expected Graduation: December 2025

Bachelor of Science (B.S.) Computer Science Engineering Technology

Toledo, OH

- **GPA: 3.3;** College of Engineering Dean's List
- **Activities:** Alpha Lambda Mu President, Alpha Lambda Mu Secretary, P.E.A.C.E. Project Mentor
- **Relevant Coursework:** Object Oriented Programming, Algorithms, Computer Networks, Operating Systems, Senior Technology Capstone

## WORK EXPERIENCE

### Code Echo

July 2024 – Present

Software Developer and Project Manager Intern

Toledo, OH

- Full-Cycle Application Development
  - Designed, developed, and deployed responsive and user-friendly websites for local businesses, including "Wild Wings and Things" and "Rocky Ridge Development," using a modern tech stack including **React, JavaScript, HTML, and CSS**.
  - Engineered and integrated RESTful APIs to connect front-end components with back-end services, ensuring seamless data flow and application functionality.
- Software and Application Development
  - Contributed to the design, coding, testing, and debugging of various software applications using **Java, Python, and C**, resulting in a 15% reduction in bug reports for assigned projects.
  - Authored comprehensive **API documentation** and maintained detailed **internal code comments**, improving code readability and accelerating the onboarding process for new team members.
- Project Management and Collaboration
  - Collaborated in an **Agile** environment with a globally distributed team of 3-5 developers, participating in daily stand-ups and sprint planning sessions to ensure project milestones were met on schedule.
- IT Infrastructure and Network Management
  - Independently managed the seamless migration of the entire IT workspace for "Toledo Recycle Services," including network setup, data transfer, and workstation configuration for all employees, resulting in zero downtime for their business operations.
  - Installed and configured network-based security camera systems, enhancing on-site security and providing remote monitoring capabilities.

## PROJECTS

### IntelliStock - AI Powered Inventory Management System

- Architected a full-stack inventory management application using a **Python/Django back-end, PostgreSQL database**, and a **React front-end** to provide businesses with real-time stock tracking and data visualization.
- Implemented a predictive ordering feature using **pandas** and **scikit-learn** that analyzed historical sales data to forecast future needs, improving inventory reorder accuracy by up to 30%.

### EchoBot - AI Voice Powered Virtual Assistant

- Built a conversational AI assistant using **Python** and Natural Language Processing libraries (**NLTK, spaCy**) that integrates the **ElevenLabs API** to process user commands and generate realistic, human-like voice responses.
- Engineered the assistant to perform tasks like setting reminders and answering queries, achieving a 95% command recognition accuracy rate during testing.

## TECHNOLOGIES, SKILLS & INTERESTS

- **Technologies:** Python, Java (Django, Pandas), JavaScript (React), C, Git & Github, RESTful APIs, Jira, AWS
- **Skills:** Full-Stack Web Development, Machine Learning, Natural Language Processing, Data Analytics