AKHILESH KUMAR

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EDUCATION

UNIVERSITY OF TOLEDO Toledo, OH

Bachelor of Science Expected: May 2025

Major in Computer Science and Engineering Cumulative GPA: 3.95/4.0

Honors Student, Recipient of International Rocket Scholarship

Relevant Coursework: Data Analysis, Software Engineering, Operating Systems, Algorithms; Artificial Intelligence

TECHNICAL SKILLS

- **Coursework**: Object-Oriented Programming, Data Structures, Algorithms, Database Management Systems, Software Design and Development, Machine Learning, Operating Systems, Discrete Mathematics
- **Programming**: C++, C#, Java, Python (Core, scikit-learn), SQL, .NET
- **Web Development**: HTML5, CSS 3, Python (Django), JavaScript
- **Software Tools**: Visual Studio, Microsoft Office Suite, MATLAB, Github
- **Hardware**: Digital Logic Design, Circuit Development, Arduino, AutoCAD, EAGLE

WORK EXPERIENCE

Park Place Technologies Cleveland, OH

Software Intern Jun 2023–Aug 2023

- Virtually collaborated with Park Place Technologies as a team lead for the Microsoft Defender team, overseeing a group of 5 interns to integrate Microsoft Defender API with third-party applications and security vendors.
- Analyzed key details and formulated a strategic action plan that reduced integration time by approximately 25%.
- Successfully implemented the action plan, creating a seamless interface between API and external applications.

Learning Enhancement Center, University of Toledo Toledo, OH

Math Tutor Sept 2023-Present

- Employed effective communication strategies to assist over 50 students in understanding complex concepts, resulting in an average improvement of 15% in their grades and fostered an inclusive learning environment.
- Assessed individual needs and organized tailored study plans for about 15 students, resulting in a measurable average GPA increase of 1.0 point.

UNIVERSITY PROJECTS

Sentiment Analysis System Apr 2023-May 2023

- Led a team of 4 members in developing a sentiment analysis system that accurately classifies social media posts as positive, negative, or neutral using machine learning algorithms.
- Explored and implemented innovative learning algorithms, resulting in a significant 10% increase in model accuracy, achieving an impressive 81% accuracy.

Autonomous "Mini-Car" Design Jan 2023-Mar 2023

- Led a team of 6 students in designing an electronic mini-car for autonomous navigation on a track, utilizing Arduino Uno, IR sensors, ultrasonic sensor, X-Bee modules, and a C# program for supervisory control.
- Ensured compliance with project specifications, achieving a 95% accuracy rate in obstacle detection and navigation adherence on the track.

EXTRACURRICULAR ACTIVITIES

- UT Rocketry Club: Programming Team Member
- Autism Advocates: Student Member
- Juice House: Web Development Team Member
- Young Life: Faith Outreach and Engagement