

# JASNOOR SINGH BAJAJ

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## Education

**Bachelor of Science in Computer Science**

*University of Toledo*

**Anticipated Graduation: December 2026**

*GPA:3.67*

## Experience

**Headstarter**

**June 2024 – August 2024**

*Software Engineer Intern*

*New York*

- Developed over 5 AI applications and APIs utilizing Next.JS, OpenAI, Pinecone, and StripeAPI, achieving 98% accuracy as evidenced by 1000 users.
- Ensured 100% code coverage and zero bugs in production by implementing comprehensive unit and integration tests.
- Engaged with cross-functional teams to integrate AI solutions into practical applications, contributing to the successful completion of multiple software projects.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

**University of Toledo**

**September 2023 – Present**

*IT Administrator*

*Toledo, Ohio*

- Authored over 250 professional and comprehensible emails explaining IT processes to non-technical individuals, resulting in a 25% reduction in user confusion and an enhanced understanding of IT procedures.
- Employ Command Prompt for various tasks such as system administration, network diagnostics, and scripting.
- Oversaw the installation and configuration of 200+ desktops and laptops, ensuring that all systems were up-to-date and met the technical requirements of the College of Engineering.
- Provide support and troubleshooting for university's faculty, staff, and graduate students in the College of Engineering, achieving a 90% satisfaction rate.

## Projects

**Jarvis Bot** | *Python, Qt Designer, VS Code*

**July 2024**

- Developed an advanced Jarvis project utilizing AI technologies, achieving 95% accuracy in voice recognition and response generation.
- Implemented real-time speech-to-text and natural language processing features, enhancing user interaction and productivity by 30%.

**AWS Project** | *Ubuntu, AWS, ROS*

**March 2024**

- Leveraged Amazon Web Services (AWS) to set up and manage a server environment using Ubuntu, integrating Robot Operating System (ROS) for enhanced robotic applications.
- Utilized AWS tools to configure and deploy a scalable server setup, ensuring efficient performance and robust functionality for ROS-based projects.

**Calculator App** | *Java, Android Studio*

**November 2023**

- Created an Android application using Java and Android Studio to calculate ticket prices for trips to museums in NYC.
- Optimized JavaScript for swift calculations and incorporated features such as memory functions, error handling, and a history log.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

**Snake Game** | *Java, HTML, CSS*

**April 2023**

- Utilized HTML, CSS, and JavaScript to create smooth snake movement and collision detection, while designing the game to adapt to various screen sizes and devices for a consistent and engaging experience.
- Optimized game performance and added real-time score tracking, multiple levels, and sound effects using JavaScript.

## Technical Skills

**Languages:** Python, Java, C, HTML, C++, CSS, JavaScript, SQL, VHDL

**Developer Tools:** VS Code, Linux, PyCharm, Eclipse, AWS, Ubuntu, React, Node.js, Github, Android Studio

**Others:** Database Administration, Microsoft Office, Ticket Management, System Security, Remote Support

## Leadership / Extracurricular

**Punjabi Student Association**

**Spring 2023 – Present**

*Vice President*

*University of Toledo*

- Managed executive board of 7 members and ran weekly meetings to oversee progress in essential parts of the chapter.
- Led a team of 30+ members to work towards goals that improve and promote community service, academics, and unity.