JASNOOR SINGH BAJAJ

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Education

University of Toledo **August 2022 – Present**
Bachelor of Science in Computer Science *Toledo, Ohio*

Experience

Headstarter **June 2024 – August 2024**
Software Engineer Intern *Remote*
- 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.
- Utilized Jenkins to provide a continuous integration service in order to automate the entire process of loading the latest build code and test files, running the tests, and generating a report of the results once per day.
- Explored ways to visualize and send a daily report of test results to team members using HTML, Javascript, and CSS.

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.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- 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* **June 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* **January 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 | *Vs code,Javascript ,HTMl , CSS* **October 2023**
- Utilized HTML, CSS, and JavaScript to design a responsive calculator that performs basic arithmetic operations.
- · Optimized JavaScript for swift calculations and incorporated features such as memory functions, error handling, and a history log..

Snake Game Development | *Java, HTML ,CSS* **June 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 , CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, AWS, Android Studio ,Ubuntu
Others: Database administration, Firewall management, Ticket Management, System security, remote support

Leadership / Extracurricular

Punjabi Student Association **Spring 2022 – Present**
Vice President *University of Toledo*
- Managed executive board of 5 members and ran weekly meetings to oversee progress in essential parts of the chapter.
- Led chapter of 30+ members to work towards goals that improve and promote community service, academics, and unity.