Akash Reddy Jammula

[akashreddyjammula@gmail.com](mailto:akashreddyjammula@gmail.com) | +1 414-275-6538 | Milwaukee, WI, USA | Open to Relocate

[LinkedIn](https://www.linkedin.com/in/akash-reddy-jammula/) | [GitHub](https://github.com/Akash3121) | [Blog](https://akashrj.hashnode.dev/) | Available May 2025 for Full-Time roles

# EDUCATION

**Master of Science, CS**– University of Wisconsin Milwaukee, Milwaukee, WI – 3.89 GPA Expected May 2025

**Bachelor of Engineering, CS –** Chaitanya Bharathi Institute of Technology, Hyderabad, India – 8.3/10 GPA June 2022

# EXPERIENCE

**Teaching Assistant | UW - Milwaukee August 2024 – Present**

* Serve as Lab Instructor for Computer Science 361 – Introduction to Software Engineering, teaching key topics such as SOLID principles, Test-Driven Development (TDD), and agile practices while assigning and evaluating lab exercises.
* Mentor 30+ students and evaluate assignments for Computer Science 557G – Database Systems, providing constructive feedback on quizzes and projects to support learning and enhance understanding of database concepts.

**Help Desk Consultant | UW - Milwaukee August 2023 – Present**

* Provided exceptional customer service by employing effective troubleshooting and debugging techniques, adhering to compliance standards, and ensuring user privacy, resulting in a 25% reduction in issue resolution time. Additionally, conducted data analysis to identify trends in user inquiries, leading to a 15% increase in client satisfaction.

**Senior Software Engineer | LTIMindtree, Chennai, India June 2022 – July 2023**

*Project: Marsh Sponsored Program (Property and Casualty Wing) | Client: Marsh McLennan Company*

* Collaborated with a team of 4 on an internal client migration project for Team AMBA from MSP, completed 10 days ahead of the deadline, saving $300K for Marsh, and earning client appreciation for enhancing business operations in dynamic working environment.
* Revamped and optimized automation jobs by overhauling existing database queries, leading a 30% reduction in query execution times, a 20% decrease in server load, and a 15% enhancement in overall system responsiveness.

# Eclipse Collections - Contributor (open source) - [GitHub](https://github.com/eclipse/eclipse-collections) March 2022 – April 2023

* Elevated the quality of documentation by providing illustrative examples, meticulously checking and correcting spelling and grammatical errors, and mentoring new developers on "good first issues", earned recognition as a "contributor".

# SKILLS

* **Programming Languages**: Python, Java, C#, C, HTML, CSS, JavaScript, Angular JS
* **Databases**: MySQL, Oracle DB, Microsoft SQL Server
* **Tools & Libraries:** Spring Boot, Junit5, Jenkins, Firebase, OpenCV, NumPy, TKinter, Postman API, Jira, Git, GitHub, Git Bash scripting, Eclipse IDE, Visual Studio Code, Jasper Reports, Ivanti Neurons, Unity, Software Development Life Cycle
* **Operating Systems/Platforms**: Windows, macOS, Unix, Linux
* **Cloud Services:** Amazon Web Services (AWS)
* **Relevant Coursework:** Cybersecurity, Natural Language Processing, Object Oriented Programming, Data Structures, Design and Analysis of Algorithm, Probability and Statistics, Machine Learning, Web and Internet Technologies

# PROJECTS

# Beat Saber VR Game - [GitHub](https://github.com/Akash3121/Beat-Saber-Game-VR) - [Blog](https://akashrj.hashnode.dev/series/beat-saber) October 2023

* Designed and modeled product features of 3D assets (cubes and saber prefabs), implemented a custom music integration system, enhancing the audio-visual experience by aligning spawns with the rhythm of the in-game music playback.
* Engineered game mechanics in Unity (C#) for precise cube spawning, slicing, and responsive destruction, programming cube behaviors that resulted in a 30% increase in gameplay satisfaction and ensured an immersive VR experience.

**DotStore** – an online shopping website - [GitHub](https://github.com/Akash3121/DotStore-OnlineShoppingWebsite) **July 2022**

* Ensured the creation of user-friendly interfaces for enhanced user experience. Implemented distributed client-server computing technology to strategically optimize the project architecture, ensuring seamless functionality & performance.
* Employed a comprehensive tech stack, including Spring Boot, Angular JS, Java, MySQL, Junit 5 with Mockito approach, Postman, Eclipse IDE, and Visual Studio Code, to ensure robust development and testing workflows for the application.

**CrackBox** - [GitHub](https://github.com/Akash3121/CrackBox) **March 2022**

* Engineered a robust and cost-effective system for securely storing sensitive information, prioritizing user privacy and safety by safeguarding IDs and passwords using the Vigenère Cipher algorithm, elevating data security measures by 70%.

# Extra Curricular’s

* Contributed to R&D at HEX Lab in UWM, focusing on cutting-edge research in XR, AR technologies.
* Volunteered with the American Red Cross Organization to support humanitarian initiatives and community outreach.