

Akash Reddy Jammula

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[LinkedIn](#) | [GitHub](#) | [Blog](#) | 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 sprints 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

- Deliver exemplary customer service with effective troubleshooting techniques, reducing issue resolution time by 25%, and boosting client satisfaction by 15%, while accurately documenting incidents.

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](#)

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, 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
- **Cloud Services:** Amazon Web Services (AWS)
- **Relevant Coursework:** Cybersecurity, Server-Side Internet Programming, Natural Language Processing, Immersive Technologies and 3D User Interfaces, Data Structures, Design and Analysis of Algorithm, Probability and Statistics, Machine Learning, Web and Internet Technologies, Blockchain Technology

PROJECTS

Beat Saber VR Game - [GitHub](#) - [Blog](#)

October 2023

- Designed and modeled 3D assets (cubes and saber prefab models) implemented custom music-synchronization system, enhancing the audio-visual experience by aligning cube 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](#)

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](#)

March 2022

- Engineered a robust and cost-effective system for securely storing sensitive information with a primary focus on safeguarding user 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 Club to support humanitarian initiatives and community outreach.