

ASHRITHA BOLLAM

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PROFESSIONAL SUMMARY

Results-driven Software Engineer and Quality Assurance Analyst with expertise in software development, web technologies, cybersecurity, and testing. Skilled in Java, Python, C++, JavaScript, SQL, and full-stack development, with a strong foundation in data structures, algorithms, cloud computing, and security protocols. Passionate about building scalable applications, enhancing security, and ensuring software quality. Experienced in manual/automated testing, CI/CD, and agile development to deliver reliable and efficient solutions.

EDUCATION

Master of Science in Computer Science

University of North Texas

GPA: 3.735/4

05/2025

Denton, Texas

Bachelor of Technology in Computer Science and Engineering

Rishi MS Institute of Engineering and Technology

GPA: 7.1/10

06/2021

Hyderabad, India

CORE COMPETENCIES

- Programming Languages
- Web Development
- Database Management
- Cybersecurity
- Software Development
- Quality Assurance & Testing
- Web Standards & Optimization
- Software Security & Compliance
- Development Methodologies
- Reliability testing

SOFT SKILLS

Collaboration & Teamwork | Communication | Problem-Solving & Critical Thinking | Leadership & Mentoring | Adaptability & Learning | Attention to Detail | Time Management & Organization

SOFTWARE AND TOOLS

Visual Studio | Git | VMware | Microsoft Defender | SIEM | Azure Security | Endpoint Detection & Response (EDR) | Antivirus (AV) systems | Agile (Scrum) | CI/CD Pipelines | Modern Campus CMS | Azure Security Services | HTML | CSS | Figma | Node.js | MongoDB | Angular | ReactJS | SQL | NoSQL | MS SQL | Spring Boot | Bootstrap | GitHub | TypeScript | GraphQL | SOAP | RESTful API | Docker | Kubernetes | AWS | Azure | GCP

PROFESSIONAL EXPERIENCE

Quality Assurance Analyst Intern

University Brand Strategy and Communications

01/2025 to 05/2025

Denton, Texas

- Designed and developed enhancements for software subsystems, including web-based applications and backend utilities
- Developed and executed test plans based on agile methodology, identifying and resolving software bugs and performance bottlenecks
- Engineered reusable web components with a focus on scalability, performance, and accessibility
- Collaborated with internal and outsourced development teams on software system design and implementation
- Provided technical mentorship to junior engineers and assisted in training new team members

Web Content Graduate Student Assistant

University Brand Strategy and Communications

11/2024 to 05/2025

Denton, Texas

- Led end-to-end QA processes for large-scale site migrations, collaborating with stakeholders to ensure seamless transitions and successful project launches

- Created advanced and customized web components, using HTML and CSS to enhance site functionality
- Collaborated with stakeholders to address website functionality issues, implement updates, and resolve XML parsing errors. Created University departmental Website Used Bootstrap and CSS for an appealing layout and optimized the code for fast load times (under 1 second).
- Delivered targeted feedback to stakeholders and web editors during workshops and training sessions to improve content and site usability
- Mentored and guided new student assistants, delegating tasks effectively and fostering a collaborative, productive team environment

Web Content Student Assistant

02/2024 to 10/2024

University Brand Strategy and Communications

Denton, Texas

- Wrote, edited, and optimized web content, email communications, and digital materials to enhance user engagement and meet UNT's strategic goals
- Conducted rigorous quality assurance (QA) checks to ensure websites complied with accessibility standards, SEO best practices, and organizational guidelines
- Set up People and News Listings, aggregating data for streamlined content display across various web properties
- Trained campus web admins on Omni CMS features, accessibility standards, and best practices to improve overall content quality
- Maintained and refreshed UNT website content to ensure relevance for key audiences, including students, faculty, and staff

Cybersecurity Engineer

10/2021 to 08/2023

Mindtree Limited (LTI Mindtree)

Telangana, India

- Configured and managed Microsoft Defender 365 portals, optimizing system security and protection against threats
- Analyzed logs from diverse sources, including firewalls, EDR, AV, proxies, and Windows/Linux systems, to detect and resolve incidents
- Assisted with onboarding and offboarding devices in the Microsoft 365 Defender portal to ensure seamless integration and removal
- Collaborated with cross-functional teams to analyze endpoint threats, resolve alerts, and strengthen overall security posture

PROJECTS

Poster Evaluation for Accessibility

- Developed a web-based application to evaluate posters for accessibility, ensuring inclusivity for individuals with visual impairments. Implemented features like automated scoring, color contrast checks, and text-to-speech compatibility for enhanced user experience.

Real-Time Attendance Monitoring System

- Built a real-time attendance system using LBPH for precise attendee identification and logging. Automated attendance tracking and report generation, ensuring accuracy and efficiency.

E-Checkout System

- Created an E-Checkout system using Java to analyze symptoms via data mining techniques. Streamlined patient-doctor communication for timely health consultations with an intuitive interface.

EXTRACURRICULAR ACTIVITIES

- Volunteered at the UNT Food Pantry, contributing to community welfare initiatives.
- Conducted tutoring sessions in mathematics and physics, providing academic support to students.
- Organized technical events, including quizzes and paper presentations, during undergraduate studies.
- Actively participated in throwball and badminton, fostering sportsmanship and enhancing the college's sports culture.
- Represented my school in district-level basketball tournaments, showcasing athletic ability and teamwork.