

# SHAYANA SHRESTHA

Knoxville, TN 37919 • (470) 393-6248

shayana0324@gmail.com • [LinkedIn](#) • [Portfolio Website](#) • [GitHub](#)

## EDUCATION

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<b>The University of Tennessee</b> , Tickle College of Engineering <i>Master of Science in Computer Science</i>	Knoxville, Tennessee Graduation: May 2026
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<b>Tribhuvan University</b> , Prime College <i>Bachelor of Science in Computer Science and Information Technology</i>	Kathmandu, Nepal October 2017 - August 2022
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## EXPERIENCE

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<b>The University of Tennessee</b> , Tickle College of Engineering <i>Graduate Teaching Assistant</i>	Knoxville, Tennessee August 2024 – Present
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- Supported instruction for 90–115 students in Software Engineering and Fundamentals of Digital Archaeology, providing mentorship, resolving coursework challenges, and facilitating discussions to enhance engagement and problem-solving.
- Graded assignments and exams with consistency, delivering constructive feedback to promote student growth and critical thinking.

<b>Knoxville Utilities Board (KUB)</b> <i>Applications Developer Student</i>	Knoxville, Tennessee May 2025 – August 2025
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- Developed and enhanced features in KUBApps using Java, Ember.js, and APIs, including debugging, maintenance, and updating token retrieval scripts across repositories for secure endpoint access while collaborating in a Scrum environment.
- Expanded knowledge of KUB's application architectures and applied agile practices through participation in sprint planning, stand-ups, and reviews.

<b>Hitachi Energy</b> <i>Associate Software Engineer</i> <i>Intern Software Engineer</i>	Kathmandu, Nepal August 2022 – July 2024 March 2022 – July 2022
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- Led end-to-end development of a web application, including architecture design, technology stack selection, and component interaction.
- Implemented security measures, performed unit, integration, and end-to-end testing to ensure application reliability and protection against vulnerabilities.
- Maintained and enhanced the performance of existing software (TRMTracker), while conducting code reviews to ensure quality and coding standards.
- Assisted in timely project delivery with collaboration in Agile teams.

## SKILLS

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- **Programming Languages:** C, C++, PHP, SQL, Java
  - **Web Development:** HTML, CSS, JavaScript, jQuery, DHTMLX, WordPress, Ember, React, RestAPIs
  - **Version Control & CI/CD:** Git, SVN
  - **Project Management & Collaboration:** Jira, Trello
  - **Other Skills:** SEO, Adobe Photoshop

## LEADERSHIP

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<b>Graduate Society of Women Engineers (GradSWE)</b> <i>Vice President</i>	Knoxville, Tennessee January 2025 - Present
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<b>Prime IT Club</b> <i>General Member – Editor – Marketing Director</i>	Kathmandu, Nepal June 2018 – June 2022
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