

EDUCATION

Bachelors in Computer Science
Texas Tech University, Lubbock, TX

Graduation Date: May 2023
GPA: 3.78

EXPERIENCE

Software Developer Intern, **Unilink Software**

May 2022 - April 2023

- Designed and developed microservices based web applications; for loose-coupling, highly scalable needs.
- Implemented distributed tracing and documented REST APIs with OpenAPI 3.0 specification ensuring efficient documentation and health of application.
- Contributed to optimizing queries in PostgreSQL and MySQL, and efficient data storage and retrieval processes for improved application performance.
- Designed and implemented CI/CD pipelines using Jenkins, reducing dependence on manual integrations, and achieving a notable 60% decrease in deployment time for enhanced efficiency.
- Contributed to rigorous unit and integration testing and debugging for ensuring bug free and clean code.
- Mediated communication with clients to analyze their expectations and provided guidance to successfully reduce time for story development by 15%.

CPCEED Student Mentor, **Texas Tech University**

August 2022 – May 2023

- Mentored and trained TTU freshman and sophomore students from 3 different countries.
- Created and implemented interactive lesson plans to incorporate active learning via group projects resulting in a 33% increase in student comprehension of programming concepts.
- Provided mentorship to students both within and outside of the college environment, assisting international students in their adjustment to life in the United States.

PROJECTS

SONIC Lab Workshop, Cornell University

- Contributed to a collaborative effort with a 5-member team to develop an innovative assistive smart cane for the visually impaired, leveraging technology such as Raspberry Pi, calibrated sensors, and cameras.

Open Market Hub

- Developed a buying and selling web app platform by leveraging technologies such as ReactJS, Redux, Spring Boot, MySQL, and AWS Cloud to future-proof this startup concept.

Blockbuster

- Developed and hosted an interactive movie website enabling users to login, effortlessly search, explore, and sort movie titles, watch trailers, and conveniently manage their wish list for an immersive cinematic experience.

SKILLS AND INTERESTS

Languages: Python, Java, C/C++, C#, SQL (PostgreSQL, MySQL, SQL Server), NoSQL (MongoDB), HTML/CSS, JavaScript

Libraries, Frameworks, and SDLC: Spring Boot, .NET, ReactJS, Redux, Maven, Flask, Junit, Agile, Scrum, Kanban

Tools and Platforms: Shell, bash, Git, Docker, Kubernetes, AWS, Jira, Jenkins, Postman, VS Studio, Linux, macOS, Windows

Soft Skills: Problem-Solving, Analytical Capabilities, Attention to Detail, Critical Thinking, Leadership, Mentorship

Areas of Interest: Containerization and Orchestration, Cloud, Automation and Scripting, Azure, IoT, Open Source

CERTIFICATIONS

- AWS Certified Cloud Practitioner, valid until September 2026
- AWS Certified Solutions Architect – Associate, valid until September 2026

VOLUNTEERING, CLUBS AND ACHIEVEMENTS

- **Computers for the Blind (CFTB), Volunteer**
- **Feed My Starving Children (FMSC), Volunteer**
- **Google Developer Student Club, TTU**
- **Nepalese Student Association, TTU**
- **Magma Cum Laude, TTU**
- **President's Honor List, TTU**
- **Proven Achiever's Award Scholarship, TTU**