KIRITI ARYAL ⧉

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EDUCATION

Bachelors in Computer Science   *Graduation Date:* **May 2023**
Texas Tech University, Lubbock, TX   *GPA: 3.78*

EXPERIENCE

Network Test Engineer, *SynapsIQ*   **Jan 2024 – Present**
- Highly skilled in the employment of RF tools like XCAL, QXDM, NEMO, software & navigational tools like strip & trips and street atlas.
- Spearheaded the design and implementation of a high-frequency RF drive system, resulting in a 15% improvement in signal strength and reduced interference.
- Conducted thorough testing and troubleshooting of RF systems, ensuring compliance with industry standards, and resolving issues promptly.
- Collaborated with cross-functional teams to integrate RF drive systems into new product lines, contributing to a 20% increase in overall product performance.

Software Developer Intern, *Unilink Software*   **May 2022 - April 2023**
- Designed and developed microservices based web applications; for loose-coupling, highly scalable needs.
- Designed and implemented CICD pipelines using Jenkins, reducing dependence on manual integrations, and achieving a notable 60% decrease in deployment time for enhanced efficiency.
- Contributed to 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**
- 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.

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, AND CLUBS

- ***Computers for the Blind (CFTB),*** *Volunteer*
- ***Feed My Starving Children (FMSC),*** *Volunteer*
- ***Google Developer Student Club,*** *TTU*
- ***Nepalese Student Association,*** *TTU*