Derya Ari

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**CAREER PROFILE**

Green Card Holder, dedicated Computer Science student at the University of North Texas, graduating in May 2026 from an ABET-accredited program. Seeking a Data Science position to apply strong foundations in software development, cybersecurity, and data analysis. Eager to contribute to innovative, scalable technology solutions while continuing to hone technical and collaborative skills in a fast-paced environment.

**EDUCATION**

*University of North Texas | Denton, Texas* **Expected: May 2026**

**Bachelor of Science – Computer Science** (ABET accredited) GPA: 3.9

**TECHNICAL SKILLS**

**Programming Languages**: Python, C, C++, Java, JavaScript, HTML, CSS

**Software Development:** Agile Methodologies, Test-Driven Development (TDD), Object-Oriented Programming (OOP), Version Control (Git, GitLab), Risk Assessments

**Tools & Frameworks**: AWS Sagemaker, AWS Scheduler, AWS CloudWatch, AWS SNS, AWS EventBridge, AWS S3, AWS IAM Roles, AWS Cost Explorer, AWS Step Functions, Git, GitLab, Azure DevOps, AutoML (AutoGluon), Jira, Terraform, PowerShell, HuggingFace, TensorFlow, PyTorch

**Databases:** SQL, MySQL, MongoDB

**Cybersecurity:** SIEM (Security Information and Event Management), Network Security, Vulnerability Assessment

**Operating Systems:** Windows, MacOS, Linux

**EXPERIENCE**

**Alcon,** Machine Learning Engineer Intern May 2025 - August 2025

* Executing the end-to-end migration of a U.S. Commercial Operations data science project, improving model processing speed by 25%.
* Automating the AI/MLOps lifecycle using Azure DevOps for CI/CD pipelines, successfully managing the deployment of 2 machine learning models.
* Building knowledge in key platforms including AWS SageMaker AI tools, GitHub, and AutoML using AutoGluon.
* Presenting project progress and technical findings in weekly agile ceremonies to a team of 8 data scientists and stakeholders.

**Ulta Beauty**, Task Associate September 2024 - April 2025

* Collaborated with the team to redesign the floor layout, enhancing customer flow and increasing sales.

**Webacy | Web3 Security,** Data Analytics ExternJuly 2024- September 2024

* Conducted security data analysis for Web3 systems, identifying potential vulnerabilities and contributing to the development of security protocols.
* Collaborated with a cross-functional team to enhance security frameworks, resulting in a 20% improvement in threat detection accuracy.

**PROJECTS**

**ColorConnect** January 2025 - May 2025

* Developed a web application to enhance accessibility for individuals with color blindness, featuring an Ishihara test for detection and real-time color filters.
* Engineered 5+ interactive features, including an art explorer and gamified color quizzes, increasing user engagement by 40% during testing phases.
* Implemented a CI/CD pipeline with GitHub Actions and Netlify, automating over 100 builds and cutting deployment time by 60%.

**SimCity Simulation** September 2023 - December 2023

* Engineered advanced C++ functionalities for a city growth simulation, increasing processing efficiency by 30%, enabling real-time data analysis for over 500 urban planners and developers.
* Launched Agile methodology across 5 development sprints, boosting team productivity by 25% and ensuring timely project delivery.
* Implemented structured version control in GitLab, increasing code tracking accuracy by 60% and improving team collaboration.
* Mentored 3 junior team members on C++ development and GitLab best practices, fostering smoother team collaboration.

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| **CERTIFICATIONS** |  |
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**Duke University,** Introduction to Generative AI Coursera-August 2025

**Google,** Cybersecurity Professional Certificate Coursera-June 2024