

ASTHA CHAUDHARY

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CAREER PROFILE

Dedicated and results-oriented University of North Texas student who expects to graduate in May 2028 with an ABET-accredited Bachelors of Science in Computer Science with certifications in Artificial Intelligence. Known for unwavering commitment to excellence and the production of high-quality work. Demonstrates strong academic performance (GPA: 3.9) and practical experience in Software Engineering and Artificial Intelligence. Passionate about developing scalable, user-centered software solutions and pursuing a Software Engineer Internship.

EDUCATION

Bachelor of Science in Computer Science | ABET Accredited |

GPA: 3.9

University of North Texas | Denton, Texas |

Graduation Date: May 2028

RELEVANT COURSEWORK

Data Structures and Algorithms, Object-Oriented Programming, Artificial Intelligence, Software Engineering, Database Systems, Computer Organization, Discrete Mathematics, Machine Learning, Calculus I and II, Operating Systems, Computer Networks

CERTIFICATIONS

IBM Introduction to Artificial Intelligence, Artificial Intelligence Foundations: Machine Learning (*LinkedIn Learning*), Software Engineering Foundations (*LinkedIn Learning*), Google Machine Learning Crash Course, AWS Cloud Practitioner Essentials, Data Structures and Algorithms Specialization (*Coursera*), Version Control with Git (*LinkedIn Learning*), SQL for Data Science (*Coursera*)

TECHNICAL AND SOFT SKILLS

Programming Languages: Java, Python, C++, TypeScript, JavaScript (ES6+), SQL

Frontend Development: React, Next.js, HTML5, CSS3, Tailwind CSS, React Query

Backend Development: Spring Boot, Spring Framework, FastAPI, RESTful APIs, WebSockets, JPA (Hibernate)

Databases & Cloud Services: PostgreSQL, Supabase

Data Science & Machine Learning: pandas, NumPy, Matplotlib, [TensorFlow.js](#)

Developer Tools & DevOps: Git, Docker, Jenkins (CI/CD), Liquibase, OpenAPI/Swagger

Soft Competencies: Organization, Problem Solving, Communication, Time Management, Teamwork and Collaboration, Leadership, Visionary

TECHNICAL PROJECTS

AI Accessibility Companion for Senior Citizens (Python, Flask, OpenAI API, HTML/CSS, AWS)

Personal Project, Summer 2025

- Developed an AI-driven accessibility platform to assist senior citizens and individuals with disabilities in performing digital tasks.
- Integrated voice recognition and natural language processing for seamless hands-free interaction and task automation.
- Applied ADA-compliant UI/UX principles, including adaptive text scaling and screen-reader compatibility using HTML5 and CSS3.
- Conducted user research and usability testing to refine accessibility features and enhance algorithmic accuracy and latency performance.
- Deployed a scalable prototype on AWS Cloud with backend services and data handling to ensure system reliability and scalability.

RESEARCH AND EMPLOYMENT EXPERIENCE

University of North Texas, Classroom Technology | Denton, Texas |

Aug 2025 - Present

Systems Integration Technician

- Provide technical support, diagnostics, and system configuration for classroom A/V technologies, ensuring seamless integration.
- Install, configure, and troubleshoot multi-platform hardware/software systems, network interfaces, and firmware components.
- Document and resolve system issues using ticket-based workflows to minimize downtime and improve performance metrics.

University of North Texas, Department of Computer Science and Engineering | Denton, Texas |

Aug 2025 - Feb 2026

Undergraduate Research Assistant

- Collaborate with Dr. Stephanie Ludi in the Discoverability Lab (UR2PHD Program) on research focused on AI-driven assistive technologies, contributing to the design and development of computer vision and NLP-based navigation tools for prototype modeling.
- Perform data preprocessing, algorithm evaluation, and usability testing, generating technical reports for system improvements.

CAMPUS LEADERSHIP AND INVOLVEMENT

President, AI for All

Jan 2025 - Present

- Founded a university-level student organization to bring AI initiatives to campus and support peers' academic and career growth.
- Lead the strategic vision, operations, and growth focusing on Artificial Intelligence and digital transformation.
- Organize socials, speaker events, hands-on project workshops, hackathons, and networking opportunities.
- Foster a culture of collaboration, ethical innovation, and interdisciplinary learning across diverse student backgrounds.
- Collaborate with university leadership and industry partners to create real-world opportunities for members.