

SHREETI SHRESTHA

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Available: Jan 2026 - Aug 2026

EDUCATION

Northeastern University, Boston, MA

Jan 2025 - Present

Khoury College of Computer Sciences

Expected Graduation: May 2027

Candidate for a Master of Science in Computer Science

GPA: 4.0/4.0

Related Coursework: Algorithms, Research in Human-Centered NLP, Foundations of AI Responsible Learning

Ramapo College of New Jersey, Mahwah, NJ

Aug 2018 - Dec 2021

School of Theoretical and Applied Sciences

Bachelor of Science in Computer Science

GPA: 3.85/4.0

Relevant Coursework: Operating Systems, Web Development, Database Design, Organization of Programming Languages, Machine Learning, Statistics, Linear Algebra, Discrete Structures

TECHNICAL KNOWLEDGE

Languages: Python (Fluent), JavaScript (Fluent), C++ (Fluent), Java (Intermediate), C# (Intermediate)

Databases: MySQL, PostgreSQL, MongoDB, Firebase

Tools/Frameworks: HTML, CSS, React, Vue, Django, Flask, Git, AWS, Docker

Machine Learning: TensorFlow/PyTorch, LLMs, Plotly, Extract, Load, Transform (ETL)

WORK EXPERIENCE

Trimble Maps, Princeton, NJ (*Industry: Routing and Navigation for commercial delivery vehicles*) Jan 2022 - Dec 2024

Software Engineer

- Designed and deployed an ML-driven prediction algorithm, improving ETA accuracy by 20% using historical customer pings to predict real-time traffic flow and weather conditions
- Engineered AWS ETL pipelines to process 150k+ daily routes, enabling cross-system analytics on user behaviors
- Led end-to-end development of Voyager, a scalable C# diagnostic tool for real-time route metric analysis

IQVIA, Parsippany, NJ (*Industry: Healthcare Analytics*)

May 2021 - Dec 2021

Data Analytics Intern

- Enhanced predictive capabilities by building a Python tool to forecast market trends with a 90% confidence interval
- Boosted operational efficiency by 15% by implementing real-time dashboards for anomaly detection in prescriptions

Ramapo College of New Jersey, Mahwah, NJ

Sep 2019 - May 2021

Computer Science Peer Tutor

- Organized sessions for 20 hrs/week to help students with assignments, and review data structures and algorithms
- Nominated by Office of Specialized Services (OSS) to provide dedicated support with study review to three students

PROJECTS

[Adaptive Tutoring Assistant: Can LLM-Powered Academic Learning Overtake Traditional Methods?](#)

Research in Human-Centered NLP, Course Project

April 2025

- Developed an LSAT tutor prototype in Python using Gemini 2.0 Flash, enabling real-time, dialogue-based instruction
- Conducted an A/B testing experiment comparing the AI tutor (experimental group) with textbook-based instruction

[Evaluating Model Outputs with NLP Metrics and Human Feedback for Medical Summaries](#)

Research in Human-Centered NLP, Case Study

February 2025

- Generated 150 plain language summaries using a fine-tuned NLP model, and assessed outputs with human evaluation and NLP metrics (ROUGE, BLEU, BERTScore, Flesch-Kincaid) for semantic quality, readability, and coherence

[An Ontology for Psychological Ownership to Predict Organizational Ambidexterity](#)

Presented at Society of Advanced Management

March 2021

- Proposed a model to identify propensity for ambidextrous initiatives using psychological and behavioral markers

INTERESTS/ACTIVITIES

- MVP of the Year at Trimble Maps, 2022
- Top 10 Hackathon Submissions at Trimble Maps Global Hackathon, 2023