Fatemeh Rajabi

Portfolio | GitHub | LinkedIn   frajabi@charlotte.edu

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EDUCATION

University of North Carolina at Charlotte — Charlotte, NC   Jan 2025 – Dec 2026
Master of Science in Computer Science (Expected Dec 2026)

Alzahra University — Tehran   Dec 2017 – Sep 2020
Master of Arts in Teaching English as a Foreign Language

Nasibeh University — Tehran   Dec 2013 – Sep 2017
Bachelor of Arts in Teaching English as a Foreign Language

TECHNICAL SKILLS

• **Programming Languages:** Java, Python, JavaScript, HTML, CSS

• **Machine Learning & Data Science:** LSTM, CNN, Time Series Forecasting, Feature Engineering

• **Libraries & Frameworks:** TensorFlow, PyTorch, Scikit-learn, Pandas, Matplotlib, Spring Boot, Bootstrap

• **Tools & Platforms:** Jupyter, IntelliJ IDEA, VS Code, Git, GitHub, Maven, MySQL, REST APIs, Postman

SOFT SKILLS

• Problem Solving • Critical Thinking • Communication • Collaboration • Adaptability • Attention to Detail • Time Management • Fast Learning

EXPERIENCE & PROJECTS

Forex Price Prediction using Deep Learning (LSTM, Python, TensorFlow)   Jan 2025 – May 2025

- Architected and developed an LSTM-based model to forecast gold vs. USD forex prices, achieving an initial prediction accuracy improvement of ~15% over baseline models.
- Engineered and optimized features and applied MinMax scaling to optimize model convergence and stability.
- Incorporated sentiment analysis insights with model predictions to enhance real-time forex decision-making.

Blog Application Backend Development (Java, Spring Boot, MySQL, Postman, Maven)   Sep 2024 – Dec 2024

- Developed RESTful APIs enabling user registration, authentication, and full CRUD operations for blog posts.
- Implemented secure login functionality with Spring Security and encrypted credential storage using hashing algorithms.
- Designed and optimized MySQL database schemas, reducing query response time by ~25%.

Personal Portfolio Website (HTML, CSS, React, Netlify, GitHub)   Jun 2024 – Aug 2024

- Developed a responsive portfolio using React, HTML, and CSS to showcase projects and skills.
- Built dynamic, interactive components and optimized performance for mobile and desktop devices.
- Deployed on Netlify with GitHub integration for seamless updates and version control.

AI Trainer (Freelance/Contract)
Remote — USA   Dec 2023 – Jun 2024

- Analyzed and labeled large datasets for AI model training across linguistics, programming, and natural language processing tasks, achieving a 98%+ quality control benchmark.
- Ensured consistency and accuracy of training data to improve model generalization and performance.
- prioritized and delivered tasks under tight deadlines while maintaining high precision.

English Teacher
Alzahra High School   Sep 2017 – Sep 2023

- Designed and executed adaptive lesson plans, improving students' English proficiency by over 30% based on semester evaluation metrics.
- Tailored learning strategies for diverse classrooms, supporting EFL learners through personalized feedback and differentiated instruction.

CERTIFICATES

- Applied Artificial Intelligence – University of North Carolina in Charlotte   Jan 2025 – Dec 2025
- Full Stack Java Development – Central Piedmont Community College   Jan 2024 – Dec 2024
- 100 Days of Code: Python Bootcamp – Dr. Angela Yu   May 2024 – Aug 2024
- Certificate in Responsive Web Development - SheCodes Academy   Jan 2022 – Sep 2023