

# Fatemeh Rajabi

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

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## EDUCATION

<b>University of North Carolina at Charlotte</b> — Charlotte, NC Master of Science in Computer Science, Concentration in Artificial Intelligence	May 2025 – Dec 2026
<b>Alzahra University</b> — Tehran Master of Arts in Teaching English as a Foreign Language	Dec 2017 – Sep 2020
<b>Nasibeh University</b> — Tehran Bachelor of Arts in Teaching English as a Foreign Language	Dec 2013 – Sep 2017

## 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

## 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 • Attention to Detail • Fast Learning

## EXPERIENCE & PROJECTS

<b>Forex Price Prediction using Deep Learning</b>	Jan 2025 – May 2025
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*(LSTM, Python, TensorFlow)*

- 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.

<b>E-commerce Application– Full Stack Development</b>	Sep 2024 – Dec 2024
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*(Java, Spring Boot, PostgreSQL, React, Tailwind CSS, Postman, Maven)*

- Built secure RESTful backend APIs for user registration, JWT-based login, and product management using Spring Boot and PostgreSQL.
- Implemented authentication and route protection using Spring Security with encrypted credential storage.
- Developed responsive UI components in React with Tailwind CSS, including a styled login form and form validation.
- Designed relational schemas in PostgreSQL and optimized queries to improve backend performance.

## Personal Portfolio Website

Jun 2024 – Aug 2024

*(HTML, CSS, React, Netlify, GitHub)*

- 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.