

FATEMEH RAJABI

Authorized to work in the USA (Green Card holder)

Motivated and detail-oriented AI enthusiast with a strong academic background in machine learning, data science, and software development. Currently pursuing a Graduate Certificate in Applied Artificial Intelligence at UNC Charlotte, with hands-on experience using Python, SQL, Java, and tools like Scikit-Learn, Weka, and TensorFlow. Passionate about sustainable innovation, emerging technologies, and continuous learning in the field of applied AI.

PROJECTS AND EXPERIENCE

Forex Price Prediction using Deep Learning

University Project – Ongoing

- Researched and developed LSTM-based model to predict gold vs. USD forex prices
- Collected and cleaned real-world historical price data for model input
- Performed feature engineering and trained deep learning models using TensorFlow
- Evaluated models using RMSE and accuracy metrics
- Integrated findings into a trading bot framework (in development)

Backend Developer – Blog API Development

Academic Project: Java API development (Sep 2024 - Dec 2024)

- Designed and implemented a RESTful API using Java and Spring Boot for a blog platform.
- Developed user authentication and authorization with Spring Security and MySQL.
- Built CRUD functionality for blog posts, enabling users to create, edit, and delete posts.
- Utilized Postman to test API endpoints and manage HTTP requests.

AI Trainer

Outlier Bulba Coding and Language project (Dec 2023 - June 2024)

- Collaborated with developers and linguists to train and enhance AI models.
- Utilized Python to check and validate AI code, ensuring accuracy and performance.
- Improved AI model accuracy and performance by leveraging expertise in programming and linguistics.

Technology Team Member

High School Technology Project (2022- 2023)

- Designed and managed simple websites for students using HTML, CSS, and JavaScript.
- Developed a platform for students to take practice quizzes and tests.

Technology/ English Teacher

Alzahra High School (2017- 2023)

- Taught students from diverse backgrounds essential technology skills, including programming, web development, and computer literacy.
 - Developed curriculum focusing on digital literacy, and IT fundamentals. Mentored students on technology projects, fostering critical thinking and problem-solving skills through practical applications and collaborative activities.
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EDUCATION

- Applied Artificial Intelligence Graduate Program – University of North Carolina in Charlotte, 2025 – Present
- Master's degree in English Language Teaching - Alzahra/ Tehran/ Iran, 2017-2020
- Bachelor's degree in English Language Teaching - Nasibeh/ Tehran/ Iran, 2013-2017
- Associate degree in Computer Science – Sharif University of Technology, 2011 - 2013
- High School Diploma in Mathematics – Hannaneh High School, Tehran, Iran 2010

CERTIFICATIONS

- Certificate of Java API development – Central Piedmont Community College, 2024
- Certificate in Responsive Web Development - SheCodes academy, 2022 – 2023

TECHNICAL SKILLS

- **Programming languages:** Java, Python, JavaScript, OOP
- **Libraries & Tools:** TensorFlow, PyTorch, Scikit-learn, Pandas, Matplotlib, Jupyter, MySQL
- **ML Techniques:** LSTM, CNN, time series forecasting, feature engineering
- **Other:** Git, VS Code, REST APIs

SOFT SKILLS

- Strong communication skills
 - Quick learner with adaptability
 - Solutions-oriented
 - Problem-solving mindset
 - Interpersonal proficiency
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