

Natalia Lungu

Junior AI/ML Developer with Front-End Development Skills

I am a Junior AI/ML Developer with front-end development skills and around 3 years of professional front-end experience. I have studied Python, machine learning, deep learning, natural language processing and computer vision, and I have built and deployed practical AI projects using FastAPI, Docker and Hugging Face Spaces. My React, JavaScript, Bootstrap and PHP experience helps me create user-friendly interfaces for AI and web projects.

AI/ML PROJECTS

Medical Text Summarisation

- Fine-tuned a BART Transformer model to summarise radiology findings into shorter medical impressions.
- Built a FastAPI endpoint and deployed the project using Docker and Hugging Face Spaces.
- Evaluation included ROUGE-1 0.5742, ROUGE-2 0.4725 and ROUGE-L 0.5727.

Tech stack: Python, PyTorch, Hugging Face Transformers, BART, FastAPI, Docker, Pandas

Live demo:

huggingface.co/spaces/NataliaLungu22/medical-text-summary

Fashion Image Recommendation

- Built an image-based recommendation project that finds visually similar fashion items from an uploaded image.
- Used deep learning feature extraction, embeddings and cosine similarity to compare fashion images.

Tech stack: Python, Flask, ResNet50, embeddings, cosine similarity, HTML, CSS

Live Demo:

<https://huggingface.co/spaces/NataliaLungu22/fashion-recommendation-system>

WEB DEVELOPMENT PROJECTS

React E-commerce Website

- Created a responsive e-commerce website with product pages, API integration and basket functionality.
- Used Redux Toolkit to manage application state and deployed the project online.

Tech stack: React, Redux Toolkit, JavaScript, CSS, HTML, Netlify

Live site: <https://rt-ecommerce.netlify.app/>

Recipe Search App

- Created a responsive recipe search application using the Edamam API and a modern React/Vite workflow.

Tech stack: React, Redux Toolkit, Tailwind CSS, JavaScript, HTML, Vite, Edamam API

Live site: <https://rt-recipe.netlify.app/>

Movie Search App

- Built an interactive movie search application where users can search movies and save favourite/watched films.

Tech stack: React, JavaScript, CSS, HTML, OMDb API, local storage

Live site: <https://reactt-films.netlify.app/>

CONTACT

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AI/ML SKILLS

- Python
- Machine learning
- Deep learning
- Natural language processing
- Computer vision
- PyTorch
- TensorFlow
- Scikit-learn
- Pandas
- NumPy

DEPLOYMENT & APIS

- FastAPI
- Docker
- Hugging Face Spaces
- Heroku
- GitHub

FRONT-END

- HTML, CSS, SASS
- JavaScript, TypeScript
- React, Redux Toolkit
- Tailwind CSS, Bootstrap
- Gatsby, GraphQL
- WordPress, PHP

TOOLS

- VS Code, WebStorm
- Vite, Webpack, NPM
- Git, Bitbucket
- Jira, Slack

TRAINING & CERTIFICATIONS

Codecademy AI Engineer / Machine Learning Course

Studied Python, ML, Neural Networks, NLP, computer vision, APIs and deployment.

Microsoft Certified: Azure AI Fundamentals (AI-900)

EDUCATION

State University of Moldova
BSc Finance and Banking

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WORK EXPERIENCE

Various Temping Roles Jan 2023 - Present

- Continued to study web development and AI/ML while working in various temping roles.
- Built and updated portfolio projects, including React applications and deployed AI/ML projects.

Junior Front-End Developer Jun 2019 - May 2022

Satori IT, London (Remote)

- Developed and launched responsive websites and e-commerce projects for small businesses and agency partners.
- Worked with a headless WordPress approach where WordPress defined the backend and a bespoke front-end handled the user interface.
- Built front-end features from Zeplin designs, using technologies such as React, Gatsby, GraphQL, CSS and PHP.
- Worked on e-commerce platforms using bespoke frameworks and WooCommerce.

Selected projects: [Financial Service Skills](#) | [Certino](#) | [Central Bikes](#) | [Flying Pig](#) | [BatchWorks](#) | [Ectopic Pregnancy](#) | [Little Village](#)

Tech stack: WordPress, e-commerce, React, Redux, CSS, Gatsby, GraphQL, PHP

Junior Developer Contractor Apr 2019 - Jun 2019

Barbour Logic, London (Remote)

- Helped refresh the Barbour Logic website by re-styling the front-end of a WordPress theme to match the new design.
- Worked with WordPress, CSS and PHP.

Website: <https://barbourlogic.co.uk/>

Various Temping Roles Nov 2015 - Apr 2019

London

- Worked for various temping agencies in the hospitality industry while studying IT and front-end development in spare time.

Head Cashier Sep 2008 - Nov 2015

VictoriaBank, Moldova

- Performed banking duties including currency exchange, deposits and payment card applications.
- Developed strong attention to detail, customer service and responsibility when handling financial transactions.

