

XHEMAL KODRAGJINI

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Education

Freie Universität Berlin

Oct. 2023 – Present

Master of Science in Data Science

Berlin, Germany

- Relevant Coursework: Machine Learning, Natural Language Processing, Explainable AI, Statistics for Data Science, ML in Bioinformatics

Canadian Institute of Technology

Oct. 2017 – Jan. 2021

Bachelor of Science in Computer Engineering

Tirana, Albania

- Bachelor Thesis: “Predicting Autism Spectrum Disorder with ML Classification Algorithms”

Experience

Deutsche Bank

July 2023 – Dec. 2024

Cloud Platform Engineer

Berlin, Germany

- Provisioned and managed Google Cloud resources using Terraform with Infrastructure as Code (IaC) principles.
- Maintained CI/CD pipelines using GitHub Actions for automated deployment in GCP environments.
- Automated infrastructure tasks by writing Python scripts over Terraform APIs.
- Co-led the design and development of reusable Terraform modules for scalable cloud infrastructure.

Deutsche Börse Group

Oct. 2021 – March 2023

Graduate IT Trainee

Frankfurt am Main, Germany

- Collected business requirements and delivered the PoC for an OCR (Optical character recognition) project.
- Delivered project execution guidelines to be used within Corporate IT department.
- Delivered workshops and demo sessions on the usage of DocuSign functionalities.
- Supported the creation of the RunBook, collecting technical tasks and analyzing dependencies between systems.

IQ Wireless GmbH

Apr. 2021 – Sep. 2021

AI Software Engineer

Berlin, Germany

- Developed a customized MLOps platform, including parameter selection and training/testing of fire detection models.
- Built APIs for data exchange with Flask and automated the jobs execution via Jenkins.
- Designed a fully responsive and component-based UI via React JS.

IQ Wireless GmbH

Oct. 2020 – March 2021

Machine Learning Intern

Berlin, Germany

- Supported the training and testing of Faster R-CNN for fire detection in image sets.
- Automated AI workflow and performed data selection and visualization using Python, Pandas, NumPy, and Plotly.

Projects

Chemotherapy Resistance Predictor | *PyTorch, Matplotlib, Pandas, Git*

March 2025

- Trained a Multi-Head Attention Network for predicting chemotherapy resistance based on proteomics data.
- Compared results with a baseline neural network using Matthews Correlation Coefficient.

News Toxicity Classifier | *HuggingFace, Weights & Biases, transformers, tiny-bert, streamlit*

June 2024

- Fine-tuned BERT-Tiny Transformer for news headlines toxicity classification.
- Logged the training and testing metrics in Weights & Biases, and built a Streamlit-based UI to use the model.

Poki - Autism Detection Platform | *Python, Django, scikit-learn, onnx*

January 2021

- Developed a Django-based web application for parents of children with Autism Spectrum Disorder.
- Trained an ML classifier to predict ASD in children with a 96% accuracy.
- Embedded the deployed model to a Django form for real-time testing.

Achievements & Leadership

- *Deutschlandstipendium* — Scholarship for High Academic Achievements
- *Full Ride Scholarship* — Awarded for Bachelor's studies
- *Walk in My Shoes (NGO)* — Volunteering Vice President
- *Coding with WoMen* — Co-Founder and President

Fall 2023 – Present

2017 – 2021

2019 – 2020

Mar 2019 – Jun 2019

Other

- **Languages:** English - Fluent (C1), German - Intermediate (B1)
- **Hobbies:** Song Writing, Graph Design, Video Making