CV - Mihran Dovlatyan

mihran.dovlatyan@gmail.com | +4915159465020 | linkedin.com/in/mihran-dovlatyan | github.com/MihranD

Experience

Data Scientist, datascientest.com, Paris, France

August 2024 - Present

- Strengthening expertise with MLOps tools like MLflow and AWS Cloud, while leveraging frameworks such as TensorFlow, PyTorch, and scikit-learn through hands-on projects
- Representing dataScientest.com as part of their Ambassador Program, focused on promoting innovative data science and machine learning practices
- Engaging with a global community to share insights on machine learning pipelines, including data preprocessing, feature engineering, and deployment

MLOps Engineer Course, Paris Sorbonne University

May 2024 - July 2024

- Deployed on AWS EC2 a FastAPI app with microservices architecture using Docker for predicting NBA shot accuracy
- Includes a PostgreSQL database, OAuth2, ETL pipeline using GitHub Actions, DagsHub and MLFlow, React frontend and Prometheus/Grafana for monitoring
- Our app was selected as the prototype MLOps app for new students to learn from
- github.com/MihranD/nba_mlops

Data Scientist Course, Paris Sorbonne University

Feb 2024 - May 2024

- Created a Streamlit app with visualisations for model training experiments and results focused on predicting NBA shot accuracy
- Utilised machine learning techniques, including feature engineering and hyperparameter tuning, along with SHAP values for interpretability and model evaluation. The app integrates libraries such as Pandas, NumPy, and Matplotlib to handle data and create visual insights
- My app was selected as the prototype Data Scientist app for new students to learn from
- github.com/MihranD/nba_tensorflow_pytorch

Senior iOS developer, Shore GmbH, Munich

April 2016 - Jan 2024

- Led the end-to-end development of iOS mobile applications, from conception to release in the App Store, and successfully published multiple app versions while adhering to Apple guidelines
- Developed and implemented a library for querying and processing API data from the server, and designed user-friendly UI/UX elements focused on performance and responsiveness
- Conducted comprehensive unit tests to ensure app reliability and quality, managed GitHub integrations for efficient version control, and collaborated with cross-functional teams for seamless integration with backend services
- Improved [Shore Business](#) iOS app rating to 4.6 stars.

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iOS developer, virtual solution AG (Materna), Munich

Aug 2011 - Mar 2016

- Developed and implemented frontend and backend functions for SecurePIM iOS app, including the integration of the Microsoft Exchange protocol for efficient data synchronisation and the IMAP protocol to support email communication
- Established functions for MDM (Mobile Device Management) to securely manage mobile devices and developed capabilities for the use of smart card readers, alongside building a security framework using C/C++
- Participated in daily scrums, sprint grooming, and reviews for continuous improvement, while conducting unit tests to ensure code quality

C++/C# developer, Yerevan Computer Research Development Institute(YCRDI), Armenia

May 2008 - Jul 2011

- Multithreading, and hardware communication
- Implemented an API library to connect desktop applications with hardware devices using a custom internal protocol

Side Projects

Own iOS Mobile App: Leben In DE

Sep 2016 – Present *(Initial development completed in Dec 2016; ongoing maintenance)*

- Achieved over 26,000 reviews with a 4.8-star rating, reflecting strong user satisfaction
- Independently built the app from scratch, handling all aspects of design, Firebase database setup, and in-app purchase integration
- Successfully implemented advertisements and in-app purchases, along with analytics tools to monitor user engagement and optimize monetization
- Ongoing maintenance and updates to ensure app quality, provide customer support, and enhance features based on user feedback

Skills

- **Programming Languages:** Python, SQL, C++, Swift, Objective C, Bash
- **ML Tools:** AWS Cloud computing, TensorFlow, Keras, PyTorch, scikit-learn, XGBoost, Hugging Face, RAG, SHAP
- **Data Visualization Tools:** Seanorn, Plotly, Matplotlib, PowerBI, Gradio
- **Data Management Tools:** PostgreSQL, Pandas, PySpark
- **DevOps:** FastAPI, Flask, Docker, Github Actions, CI/CD, Kubernetes
- **MLOps:** Airflow, Prometheus/Grafana, AWS Cloud, MLFlow
- **Soft Skills:** Adaptability, Communication, Critical Thinking, Collaboration
- **Spoken Languages:** English (Fluent), German (B2), Russian (Fluent), Armenian (Native Speaker)

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Certifications

AWS Machine Learning Engineer - Associate Course, Certificate

Aug 2024 - Oct 2024, Amazon Web Services

AWS Cloud Practitioner Course, Certificate

Jun 2024 - Jul 2024, Amazon Web Services

Machine Learning Engineer Course, Certificate *(Diploma expected within a few months)*

May 2024 - Jul 2024, Paris Sorbonne University

Data Science Course, Certificate *(Diploma expected within a few months)*

Feb 2024 - May 2024, Paris Sorbonne University

Universities

Master of Engineering Sciences, Applied Mathematics and Informatics Department

Sep 2007 - Jun 2009, State Engineering University of Armenia

- **GPA**: 3.79 out of 4
- **Thesis**: Fractals and Their Presentation
  - Developed a comprehensive study on fractals and their visual presentation using MATLAB and C++ for calculations and rendering
  - Achieved high-quality visualisations of complex fractal patterns, enabling detailed analysis and exploration of their mathematical properties

Military Service

Jun 2005 - Jun 2007, Armenia

- Served two years in the army, building skills in discipline, leadership, and teamwork

Bachelor of Mathematics, Applied Mathematics Department

Sep 2001 - Jun 2005, State Engineering University of Armenia

- **GPA**: 3.80 out of 4
- **Thesis**: Simulation Program in Pascal
  - Created an interactive animation where a swimmer in the sea is pursued by a shark, with user-controlled speeds for both characters
  - Demonstrated principles of applied mathematics through dynamic modelling and programming in Pascal

Personal data

- Date of Birth: 01.09.1984
- Munich, Germany