Andrei Mihailescu

Technical Skills

Python, TensorFlow: 4

JavaScript, ReactJS: 3

AWS SageMaker, Docker: 2

SQL, PostgreSQL: 3

Figma, Adobe XD: 2

Foreign Languages

- English: C1

- Spanish: B2

Education

- University Name: University Politehnica of Bucharest

- Program Duration: 4 years

- Master Degree Name: University Politehnica of Bucharest

- Program Duration: 2 years

Certifications

- AWS Certified Machine Learning Specialty

- TensorFlow Developer Certificate

Project Experience

1. Predictive Maintenance System for Manufacturing

   Developed a predictive maintenance system using Python and TensorFlow to analyze sensor data

from manufacturing equipment. Implemented machine learning models to predict equipment failures,

reducing downtime by 25%. Deployed the solution on AWS SageMaker, leveraging Docker for containerization to ensure scalability and ease of updates. Collaborated with data engineers to optimize data pipelines using SQL and PostgreSQL for efficient data storage and retrieval.

2. Interactive Dashboard for Customer Insights

Created an interactive web-based dashboard using ReactJS and JavaScript to visualize customer data and insights for a retail client. Integrated backend services with SQL and PostgreSQL to manage large datasets and provide real-time analytics. Designed the user interface with Figma and Adobe XD, focusing on enhancing user experience and accessibility. The project improved decision-making processes by providing clear and actionable insights to stakeholders.