Sorin Andrei Dumitrescu

Technical Skills

Python, TensorFlow

JavaScript, ReactJS

AWS SageMaker, Docker

SQL, PostgreSQL

Figma, Adobe XD

Foreign Languages

- English: C1

- French: B2

- Spanish: A2

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 Cloud Practitioner

- Microsoft Certified: Azure AI Fundamentals

Project Experience

1. Machine Learning Model Deployment on AWS SageMaker

Developed and deployed a machine learning model using Python and TensorFlow on AWS

SageMaker to predict customer churn for a telecommunications company. Utilized Docker for containerization, enabling seamless integration and deployment across different environments. Conducted data preprocessing and feature engineering using SQL and PostgreSQL, which improved model accuracy by 15%. Technologies and tools used: Python, TensorFlow, AWS SageMaker, Docker, SQL, PostgreSQL.

2. Interactive Web Application Development

Built an interactive web application using ReactJS and JavaScript that visualizes real-time data analytics for a marketing firm. Designed a responsive and intuitive user interface with Figma and Adobe XD, ensuring a seamless user experience across devices. Integrated RESTful APIs to fetch and display data dynamically, enhancing user engagement by 25%. Technologies and tools used: JavaScript, ReactJS, Figma, Adobe XD, RESTful APIs.

3. Cloud-Based Data Analytics Platform

Implemented a cloud-based data analytics platform leveraging AWS services to process and analyze large datasets efficiently. Utilized AWS Lambda and RDS to automate data workflows, reducing processing time by 40%. Collaborated with cross-functional teams to ensure the platform's scalability and reliability, adhering to best practices in cloud architecture. Technologies and tools used: AWS Lambda, AWS RDS, Docker, SQL, PostgreSQL.