

Andrei Dumitrescu Vasilescu

## Technical Skills

Python, TensorFlow

JavaScript, ReactJS

AWS SageMaker, Docker

SQL, PostgreSQL

Figma, Adobe XD

## Foreign Languages

- English: C2

- Spanish: B1

- French: 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

Developed and deployed a machine learning model using Python and TensorFlow to predict

customer churn for a retail company. Leveraged AWS SageMaker to streamline the model training and deployment process, ensuring efficient scalability and integration with existing systems. Utilized Docker to containerize the application, enabling consistent and reliable deployment across different environments. Technologies and tools used: Python, TensorFlow, AWS SageMaker, Docker.

## 2. Interactive Web Application Development

Created an interactive web application using JavaScript and ReactJS to visualize real-time data analytics for a marketing firm. Implemented dynamic data fetching and state management to ensure a responsive user experience. Collaborated with designers to integrate Figma prototypes, resulting in a seamless and visually appealing interface. Technologies and tools used: JavaScript, ReactJS, Figma.

## 3. Database Management System Optimization

Designed and optimized a PostgreSQL database for an online learning platform to enhance data retrieval speeds and storage efficiency. Developed complex SQL queries to support advanced reporting features, improving data accessibility for stakeholders. Conducted performance tuning and indexing strategies, resulting in a 25% reduction in query execution time. Technologies and tools used: SQL, PostgreSQL.