Elena Cernat

# Technical Skills

Python, TensorFlow  
JavaScript, ReactJS  
AWS SageMaker, Docker  
SQL, PostgreSQL  
Figma, Adobe XD

# Foreign Languages

- English: C1  
- 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 Fundamentals

# Project Experience

1. Machine Learning Model Deployment  
 Developed and deployed a machine learning model using Python and TensorFlow on AWS SageMaker to predict customer churn for a retail client. The project involved data preprocessing with Pandas and NumPy, model training and evaluation, and deploying the model as an API endpoint using Docker containers. This deployment improved the client's ability to identify at-risk customers, resulting in a 15% reduction in churn rate. Technologies and tools used: Python, TensorFlow, AWS SageMaker, Docker.  
  
2. Interactive Web Application for Data Visualization  
 Created an interactive web application using ReactJS and JavaScript to visualize real-time data from a PostgreSQL database. The application featured dynamic charts and graphs that allowed users to filter and analyze data efficiently. Implemented RESTful API integration to ensure seamless data flow between the frontend and backend, enhancing user engagement by 25%. Technologies and tools used: JavaScript, ReactJS, SQL, PostgreSQL.  
  
3. Collaborative Design Platform  
 Designed a collaborative platform for creative teams using Figma and Adobe XD, focusing on enhancing user experience and interface design. Conducted extensive user testing to gather feedback and iteratively improved the design based on user insights. The platform facilitated real-time collaboration and streamlined the design process, increasing productivity by 20%. Technologies and tools used: Figma, Adobe XD.