ALEJANDRO SILVA RODRÍGUEZ

+34 628 550 055 | alejandrosilvarodriguez9@gmail.com | PORTFOLIO

alejandro-silva | alexsilvaa9

Málaga, España

Resume

Passionate Data Scientist with a strong background in data analysis, machine learning, data visualization, and large language models. Proficient in Python and R, with the ability to apply advanced artificial intelligence techniques in real-world settings. Seeking opportunities to contribute to innovative projects and enhance efficiency through data-driven solutions.

Skills

- **Programming Languages:** Python, R, Java, C#
- **Database Systems:** Oracle, MySQL, MongoDB, XML
- **Data Science & Machine Learning:** Python, R, Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Hugging Face, Seaborn, Matplotlib, Plotly, ggplot2, Jupyter Notebook, Google Colab, RStudio, Quarto, Knime
- **DevOps & Version Control:** Git, Docker, Linux
- **Soft Skills:** Adaptability, Critical Thinking, Ability to Learn Quickly, Time Management, Empathy, Ability to Work Under Pressure, Initiative.

Languages

Spanish: Native
English: Advanced (C1 Cambridge Certified)

Educación

- **University of Málaga** *Expected Graduation : 2025*
  Health Engineering (Bioinformatics) Málaga, España
  ◦ Average grade: 8.17/10

- **IES Litoral** *2021*
  High School Diploma in Technological Sciences Málaga, Spain
  ◦ Average grade: 8.7/10

Projects

- **Breast Cancer Analysis and Prediction** *June 2024*
  Tools: R, Shiny, Quarto, ggplot2 [|]
  ◦ Developed and analyzed various machine learning algorithms to predict survival rates for breast cancer.
  ◦ Implemented a web application allowing users to predict their survival rate based on the best model.
  ◦ Created visualizations to display results and facilitate data interpretation.

- **GymDiary: Workout Tracking Web Application** *August 2024*
  Tools: React.js, Node.js, Express.js, MongoDB [|]
  ◦ Designed a web application for tracking workouts and nutrition, including meal logging, exercise tracking, and progress monitoring.
  ◦ Used React.js for the frontend and Node.js with Express.js for the backend, deploying the app on Vercel and GitHub Pages.
  ◦ Managed data in JSON format with MongoDB and accessed APIs for third-party information.
  ◦ Implemented an interactive and adaptive user interface, optimizing reactivity and user experience.

- **Diabetes Prediction: Intelligent Systems Project** *March 2024*
  Tools: Python, scikit-learn [ ]
  ◦ Developed various classifiers using the scikit-learn framework to predict diabetes in patients.
  ◦ Implemented machine learning techniques to analyze data and improve prediction accuracy.
  ◦ Created classification models to assess the probability of diabetes based on medical data.
  ◦ Applied evaluation methods to analyze model performance and adjust parameters.

Project Leadership

- **Therapy Management Project** *June 2024*
  Database Project [GitHub]
  - Took on the role of selecting the technologies that best suited the project requirements and the team.
  - Played a significant role in estimating tasks and managing changes to them.

Courses

- **Machine Learning and Big Data for Bioinformatics, University of Granada (100 hours)** *April 2023*
  verification code: AEFD8A7D8A81B3BF5E0B0EEFF5A82287
- **H4ackingPro - Cybersecurity Course** *June 2023*