

SUMMARY

Data Scientist transitioning from a successful career as a Project Coordinator, with 2+ years of experience managing cloud deployments (AWS, Azure, GCP) and collaborating with technical teams. Over 1 year of hands-on experience, including academic projects, in machine learning, Python, and statistical modeling, developing predictive models and data-driven solutions.

TECHNICAL SKILLS

Languages	Proficient: Python, SQL; Competent: R, JavaScript
Tech Stack	TensorFlow, PyTorch, Flask, Git, CI/CD, Docker, Postman, Jupyter Notebook (Anaconda), Google Cloud Platform (GCP), BeautifulSoup, Power BI

EXPERIENCE

Data Scientist Sandcat IT, LLC (Contract Project)	Remote, U.S. September 2024 - Present
---	--

- Designed and deployed an end-to-end predictive modeling pipeline using Python (Pandas, NumPy, scikit-learn) and XGBoost, achieving an R^2 score of 0.96 for estimating used car market prices.
- Automated data preprocessing and feature engineering, implementing techniques such as target encoding, mileage-age interaction features, and missing data imputation.
- Developing a production-ready pipeline to deliver real-time price predictions, helping users quickly identify the best car deals.
- Conducted rigorous model validation and hyperparameter tuning to optimize performance across diverse datasets.

Project Coordinator Advanced Voice Research Labs, Inc.	Remote, U.S. August 2021 - September 2023
--	--

- Led the deployment of automation software and custom-built databases on AWS, Azure, and Google Cloud, gaining hands-on experience in cloud environments and ensuring seamless integration with client systems.
- Directed cross-functional teams to streamline data workflows, reduce project turnaround time by 30%, and improve project completion rates by 20%.
- Managed multiple projects simultaneously, developing strong organizational skills and the ability to translate complex technical requirements into actionable tasks.
- Diagnosed and resolved software and data-related issues, showcasing problem-solving abilities essential for managing and analyzing data in technical environments.

EDUCATION

Master of Science in Data Science - Graduated from one of the top 3 Economics research departments in Europe. - Degree awarded by Universitat Pompeu Fabra and Universitat Autònoma de Barcelona	Barcelona School of Economics — July 2024
Bachelor of Business Administration in Marketing - Graduated with Honors (GPA: 3.76/4.0). - Relevant coursework: Consumer Behavior, Market Research, Digital Marketing Analytics.	The University of Texas at San Antonio — May 2021

ADDITIONAL PROJECTS

- **Thesis: Causal Effect of Peace Agreements on Violence** — Adapted Double Machine Learning (DML) for panel data to estimate causal effects. Demonstrated proficiency in feature engineering, statistical modeling, hyperparameter tuning, and cross-validation techniques. Published findings in a [Medium article](#).
- **Freelance Data Science Blogger:** Published articles with AI Advances on Medium, simplifying advanced data science concepts and showcasing use cases in machine learning, natural language processing (NLP), and predictive analytics. Highlighted the application of libraries like scikit-learn, Keras, and TensorFlow to a growing readership.
- **Portfolio Projects:** Built end-to-end solutions involving Computer Vision, NLP, and Financial Modeling. Demonstrated expertise in data preprocessing (e.g., missing value imputation, data scaling), feature engineering (e.g., target encoding, interaction terms), model training and deployment using Flask, Docker, and cloud platforms. Projects include hyperparameter optimization with GridSearchCV and randomized search. Explore examples at [datawithamber.com](#).