

Aman Nandhra

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PROFESSIONAL SUMMARY

Data Science graduate from UC Berkeley with hands-on experience building applied machine learning models, AI-enabled applications, and end-to-end data workflows. Proficient in Python, SQL, TensorFlow, and Scikit-learn, with a track record of translating experimentation into production-ready pipelines and quantitative data-driven systems.

EDUCATION

University of California, Berkeley

B.A. in Data Science.

Berkeley, CA

May 2024

Relevant Coursework: Data Structures, Probability and Statistics, Data Mining, Data Inference, Econometrics, Optimization, Machine Learning

EXPERIENCE

Operations Analyst

Jul 2025 – Sep 2025

731 LLC

Remote

- Collected and integrated large-scale real estate data from MLS and public listing platforms into a unified dataset, maintaining consistent inputs for downstream analysis
- Developed repeatable data processing workflows to validate, organize, and filter listings against client criteria, reducing manual screening and improving workflow reliability
- Improved lead identification via data-driven screening, enabling ~50% faster client outreach and reduced time-to-match
- Partnered with stakeholders to translate requirements and findings into workflow improvements and recurring reporting

PROJECTS

Inventory Analytics and Optimization

Jul 2026

Python, SQL, Power BI

- Built an end-to-end analytics pipeline to clean, validate, and model 91,250 records across 50 SKUs, 5 warehouses, and 10 suppliers, applying quality checks throughout the workflow
- Applied K-Means clustering and statistical segmentation to identify \$523K in persistent excess inventory; produced recommendations on positioning, service levels, and excess stock across 95% and 99% availability targets

Traffic Volume Demand Forecasting and Capacity Analysis

Jul 2025

Python, ML

- Applied Ridge regression, Poisson GLM, Random Forest, XGBoost, and an ensemble model to ~48,000 hourly I-94 traffic observations (2012-2018), engineering temporal, weather, holiday, and lag features
- Reduced RMSE by 51% (from ~974 to ~478) through feature engineering and model comparison, translating a full clean-to-interpret workflow into a repeatable forecasting pipeline

Resume Job Matching Chrome Extension

Apr 2026

Python, JavaScript, NLP, LLMs

- Built an AI-driven Chrome extension that automates resume-job matching using NLP, similarity scoring, and LLM-based prompt workflows integrated into a user-facing application
- Designed a modular scoring pipeline combining similarity signals with LLM outputs to rank job fit and provide repeatable recommendations
- Implemented a user feedback loop from marked applications to evaluate outcomes and iteratively refine recommendation quality, creating a foundation for continuous model and prompt improvement

NBA Player Performance Analysis

Apr 2026

Python, Power BI, Data Visualization

- Analyzed changes in player scoring and efficiency from regular season to playoffs and built Python-based visualizations to identify player-level performance patterns
- Identified that over 57% of players experienced efficiency declines, surfacing findings through an interactive Power BI dashboard

SKILLS

Analytics: Statistics, A/B Testing, Power BI (DAX), Tableau, Excel, Algorithms

Languages: Python, SQL, JavaScript, R, Java, C++

Machine Learning & AI: TensorFlow, Scikit-learn, NLP, LLM Prompt Workflows, Similarity Scoring, Model Evaluation, Feature Engineering

Data Libraries: Pandas, NumPy, Matplotlib

Software & Data Engineering: Git, REST APIs, ETL Pipelines, Workflow Automation, Data Validation, Data Modeling

Systems: Relational Databases (Postgres, SQLite), Cloud Fundamentals (AWS), Unix Basics