

James Johnson

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Summary

Data scientist and AI engineer with strong background in applied mathematics.

Builds end-to-end ML/data solutions and production agentic AI systems.

Expertise: Python, R, SQL, data visualization, analytics automation.

Experience

Data Analyst Intern

Pasadena, CA

Kaiser Permanente

June 2023 – Sept 2023

- Built SQL queries and PowerBI dashboards for patient surgery and med analytics.
- Automated workflows with UIPath RPA bots, cutting manual tasks by 30%.

Education

University of California, Santa Barbara

Santa Barbara, CA

in Applied Mathematics

Sept 2019 – June 2023

- Specialized in linear algebra, numerical analysis, predictive modeling.

Projects

Data Analyst AI Agent

Nov 2024 – present

Full-stack AI agent for analytics and automation in production at Kaiser Permanente.

- Engineered >7,000 LOC: prompt engineering, API, database, and UI from scratch.

CareerCopilot

Jan 2024 – present

AI-driven job search and resume/CV optimization platform.

- Built/led MVP launch, including job matching, resume improvement, and initial funding.

CNN Image Classifiers

Oct 2023 – Mar 2024

Transfer learning and fine-tuned CNNs for cats vs. dogs and MNIST.

- Reached 96.2% accuracy (cats/dogs) & 99.3% (MNIST) using advanced transfer learning.
- Repo: github.com/jamesjohnson-ai/computer_vision_using_CNN

Skills

Programming: Python (native), SQL (proficient), R (advanced), C# (intermediate)

Frameworks: Keras, TensorFlow, HuggingFace, PyTorch, Scikit-learn

Data Tools: PowerBI, UIPath, SQL, Visualization

AI Engineering: Agentic systems, automation, API & UI integration

Maths/Analytics: Linear algebra, numerical analysis, predictive analytics