

James Johnson

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Summary

Data scientist and self-taught AI engineer with applied mathematics background.

Builds and deploys end-to-end ML and analytics solutions; strong in Python, R, SQL.

Engineered full-stack agentic AI systems from scratch in production settings.

Experienced in data visualization and automation for business analytics.

Experience

Data Analyst Intern

Pasadena, CA

Kaiser Permanente

June 2023 – Sept 2023

- Developed SQL queries and PowerBI dashboards, automating reports for surgery and medication data.
- Built UiPath RPA bots to streamline clinical and admin workflows, reducing manual workload by 30%.

Education

University of California, Santa Barbara

Santa Barbara, CA

in Applied Mathematics

Sept 2019 – June 2023

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

Projects

Data Analyst AI Agent

Nov 2024 – present

Full-stack AI agent deployed for business analytics and automation at Kaiser Permanente.

- Engineered and deployed agentic system (>7,000 lines of code) for analytics use-cases.
- Handled prompt engineering, APIs, database, and UI for production deployment.

CareerCopilot

Jan 2024 – present

AI-powered job search platform with resume optimization, job matching, and technical assessments.

- Designed platform vision, built core features, and led initial funding & partnerships.

CNN Image Classifiers

Oct 2023 – Mar 2024

Transfer learning using CNNs for image classification (cats vs. dogs, MNIST).

- Achieved 96.2% accuracy (cats vs. dogs) and 99.3% (MNIST) with fine-tuned models.
- Implemented robust pipelines using Keras, PyTorch, HuggingFace libraries.

Skills

Programming: Python (Native), SQL (Proficient), R (Advanced), C# (Intermediate)

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

Data Analytics: PowerBI, SQL, Data Visualization, UiPath

AI Engineering: End-to-end agentic AI systems, API design, automation

Mathematics: Linear algebra, numerical analysis, predictive analytics