James Johnson

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Summary

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

Builds and deploys ML/data analytics solutions; expert in Python, R, SQL, visualization.

Production experience engineering agentic AI systems and business analytics automation.

Experience

Data Analyst Intern *Pasadena, CA*
Kaiser Permanente *June 2023 – Sept 2023*
- Developed SQL queries and PowerBI dashboards for surgery and med data analysis.
- Built UIPath RPA bots streamlining clinical and admin workflows (30% workload reduction).

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 (Kaiser Permanente) *Nov 2024 – present*
Full-stack agentic AI analytics agent for business analysis and automation.
- Designed/deployed 7,000+ LOC system: prompt eng, APIs, DB, UI for production analytics.

CareerCopilot *Jan 2024 – present*
AI-powered platform for job searching, resume optimization, job matching & assessments.
- Built vision, launched core features, led funding efforts and partnership building.

CNN Image Classifiers *Oct 2023 – Mar 2024*
Transfer learning/CNN-based real-world image classifiers (cats vs. dogs, MNIST).
- Achieved 96.2% (cats vs. dogs) and 99.3% (MNIST) accuracy, robust deep learning pipeline.
- Repo: github.com/jamesjohnson-ai/computer_vision_using_CNN

Skills

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

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

Data Analytics: PowerBI, SQL, Visualization, UIPath

Mathematics: Linear algebra, numerical analysis, predictive analytics

AI Systems: Agentic AI engineering, end-to-end automation, API design