James Ali

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Summary

Data scientist with background in applied mathematics and AI systems.

Self-taught engineer: linear algebra, ML, agentic systems, numerical analysis.

Skilled in Python, R, SQL, and scaling ML solutions with data visualization.

Expertise building, tuning, and deploying ML models for business impact.

Experience

Data Scientist, Innovation Team *Southern California, CA*
Kaiser Permanente *Nov 2024 – present*
- Built production Data Analyst AI Agent (7000+ LOC); team funding anchor.
- Led design, engineering, and deployment across AI stack.

Data Analyst Intern *Pasadena, CA*
Kaiser Permanente *June 2023 – Sept 2023*
- Automated analytics workflows with SQL, PowerBI, UiPath.
- Analyzed patient data on surgery, medication, and outcomes.

Education

University of California, Santa Barbara *Santa Barbara, CA*
in Applied Mathematics *Sept 2019 – June 2023*
- Applied SVD and numerical optimization for predictive analytics.
- Coursework: linear algebra, numerical computation, optimization.

Projects

Full Stack Data Analyst AI Agent *Nov 2024 – present*
Production agentic AI system for analytics, main project for KP innovation.
- Coded >7000 lines automating analytics workflow and visualization.
- Architected system from the ground up, end-to-end.

CareerCopilot *Jan 2024 – present*
Founder of AI-based career/jobhunt platform, leading both tech and product.
- Launched features including resume builder, job matching, and hiring automation.
- Led AI/ML modeling, funding process, and business development.

CNN Image Classifiers *Nov 2023 – Feb 2024*
Fine-tuned pre-trained models (cats-vs-dogs: 96.2%, MNIST: 99.3% accuracy).
- Applied modern deep learning and transfer learning techniques.
- Implemented efficient model training/pipeline on multiple datasets.

Skills

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

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

Visualization/Automation: PowerBI, UiPath, End-to-end workflow automation

Mathematics: Linear algebra, numerical analysis, optimization

Machine Learning: Transfer learning, agentic systems, model tuning