Kaushik Iyer
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SUMMARY

Aspiring Data Scientist / ML Engineer with expertise in TensorFlow, PyTorch, and scikit-learn seeking to leverage AI solutions for complex business challenges. Developed AIFlow DSL that reduced AI workflow development time by 40%, demonstrating practical application of machine learning concepts. Proficient in Python, R, SQL, and data visualization tools, with relevant certifications supporting my commitment to continuous learning in AI and data science.

EDUCATION

Oregon State University **Corvallis, Oregon**
Masters In Computer Science (Data Science Specialization) *Sept 2023 - June 2025*

University Of Mumbai **Mumbai, Maharashtra**
Bachelors of Engineering in Computer Engineering *Aug 2018 - June 2022*

PROJECT EXPERIENCE

Oregon State University **Corvallis, Oregon**
Machine Learning Engineer - AIFlow *Mar 2025 – May 2025*

- Solely developed AIFlow, a domain-specific language that streamlines the creation and execution of complex AI workflows, addressing the challenge of integrating multiple AI operations with minimal code overhead.
- Architected a flexible workflow system with conditional branching, data transformation, and templating capabilities that reduced AI pipeline development time by 40% and improved maintainability through declarative syntax.

Oregon State University **Corvallis, Oregon**
Machine Learning Engineer - AI Hedge Fund *Jan 2025 - Mar 2025*

- Solely developed an AI-powered trading simulation system for educational purposes using multiple agent architecture to address the challenge of understanding algorithmic trading strategy optimization across diverse market conditions.
- Engineered a multi-agent framework with 14 specialized AI agents that will achieve 18% improvement in simulated returns compared to benchmark indices while reducing portfolio volatility by 12%.
- Implemented sophisticated quantitative models using Python, statistical analysis techniques, and financial APIs to process market data and generate investment signals based on fundamental, technical, sentiment, and valuation metrics.

Oregon State University **Corvallis, Oregon**
Machine Learning Engineer - LangClass- Language Detection *May 2024 - July 2024*

- Spearheaded development of a multilingual text classification system to analyze 50,000+ text samples, addressing the challenge of accurate language identification across diverse global content.
- Engineered and implemented advanced statistical algorithms and machine learning models using Python, TensorFlow, and linear algebra principles to enhance language structure analysis.
- Achieved 15% improvement in detection accuracy and 8% reduction in false positives, enabling accurate content moderation using confidence threshold mechanism for non-English users.