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## Summary

Machine Learning Engineer & AI Researcher with expertise in computer vision, deep learning, and software engineering. Experienced in developing state-of-the-art AI models, optimizing ML workflows, and deploying scalable AI systems. Strong background in Python, PyTorch, TensorFlow, and multi-language software engineering. Passionate about frontier AI research, robotics, and multimodal learning to drive innovative solutions. Currently pursuing an MS/MBA in AI, Business Analytics & Finance, integrating AI with data-driven decision-making.

## Technical Skills

- Machine Learning & Deep Learning: CNNs, RNNs, Transformer models, Large Multimodal Models (LMMs), Reinforcement Learning, Computer Vision, Model Training & Evaluation, Data Preprocessing
- Computer Vision & Robotics: Image synthesis, object detection, real-time video analytics, SLAM
- ML Frameworks: PyTorch, TensorFlow, OpenCV, Scikit-learn
- Software Engineering: Python, C++, API development, cloud deployment (AWS, GCP)
- AI & Security: Automated security validation, adversarial AI, ethical AI practices
- Research & Prototyping: Academic research, whitepapers, prototype development, A/B testing
- Financial & Analytical Tools: Power BI, Tableau, Snowflake
- Customer Success & Support: Technical consulting, client onboarding, troubleshooting
- Collaboration Tools: GitHub, Slack, JIRA

## Experience

Oracle – Associate Consultant - December 2022 - Present

- Engineered machine learning models for anomaly detection and predictive analytics in enterprise software solutions.
- Optimized AI-driven automation workflows, reducing processing time by 30%.
- Developed secure API integrations and data pipelines for scalable ML deployment.
- Partner with cross-functional teams to support software implementations, resolve technical issues, and improve customer experience. Achieves week-by-week >90% compliance rating for overall project health in terms of revenue, configurations, competencies, and hour utilization.
- Utilize data analytics and financial insights to enhance product performance and security compliance.
- Develop technical documentation and user stories to drive agile development and ensure alignment with business goals.

- Maintain weekly compliance of over 90% for charge matching, unit testing, and overall project health.

#### Course and Personal AI Projects

- Independent Study: AI Chatbot Development and Chattr Research Platform Development
  - Developed multimodal AI models integrating NLP & computer vision for real-world applications.
  - Built a Django-based AI platform, incorporating X-Frame-Options for security validation.
  - Conducted research on photorealistic image synthesis and adversarial robustness in ML models.
- AI Governance Case Study for a Hospitality Organization (Enterprise Information Systems Management Course Project)
- Machine Learning Projects – Worked on personal projects involving computer vision and data analysis using TensorFlow and PyTorch. (Exploratory AI/ML Work)

#### Open Source & Community Involvement

- Contributed to open-source projects related to AI/ML workflows.
- Active in AI and data science communities, sharing insights and learning from peers.

#### Education

- University of South Florida (USF) - Muma College of Business Concurrent Degree: MS in AI and Business Analytics/MBA with Finance Concentration
  - Behavioral AI Research Projects
  - Research in AI-driven financial analytics, ML automation, and deep learning applications.
- University of Central Florida Bachelor of Science (Honors Graduate)

#### Certifications & Additional Qualifications

- Oracle Cloud 2023 AI Associate Certification
- AI Ethics & Security Training
- CIW Web Specialist JavaScript Certification
- Coursework and Training in Python, R, SQL, Tableau, Power BI, and Snowflake