

Shanmugasundaram (Shan) Ramasubramanian

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AI-driven Project Manager & Product Leader with 5+ years of experience in AI governance, compliance frameworks, and risk management. Expertise in AI model auditing, ISO 42001, AI risk assessment, and regulatory compliance (GDPR, SOC 2, HIPAA for AI). Led cross-functional teams to develop AI governance solutions ensuring transparency and alignment with industry standards.

SKILLS & CERTIFICATIONS

AI Governance & Compliance: ISO 42001, NIST AI RMF, AI risk assessment, Model auditing, Bias mitigation, SHAP, LIME.

Regulatory Compliance: AI Ethics, Evidence collection, Risk reporting, Algorithmic accountability.

Technical & Cloud AI: AWS SageMaker, GCP Vertex AI, Python, SQL, AI Fairness 360, R, Jira, PowerBI, Tableau

Certifications: Oracle Cloud Infrastructure & Data Management Associate, Certified Data Scientist, ISO 42001 Foundations - In Progress

AI Governance & Risk Controls: AI policy enforcement, compliance automation, Agile-SCRUM, Cross-functional collaboration.

WORK EXPERIENCE

AI Consultant, Belto Inc, Los Angeles

Nov 2023 - Aug 2024

- Defined AI model evaluation protocols for LLM-based content generation workflows, ensuring model reliability, safety, and regulatory compliance as the platform scaled to 500+ students and faculty.
- Conducted fairness audits using AI Fairness 360 and Python to ensure > 95% neutrality in AI-generated academic content.
- Led Generative AI integration across platform features, increasing user engagement by 40% and enhancing scalability.
- Led workshops with cross-functional teams to prioritize features and align technical capabilities with stakeholder objectives.
- Orchestrated evidence gathering processes for data lineage and AI content validation, aligning the platform with ISO 42001 principles to secure funding and partnerships.
- Secured the Young AI Tech Entrepreneur award at Internet2.0, increasing platform visibility and driving 3 partnership inquiries.

AI Product Manager, Zocket Technologies Ltd, San Francisco

Oct 2021 - Aug 2023

- Led development of an AI Ad Policy Checker using rule-based NLP models and human-in-the-loop feedback, reducing policy review time by 50% and ensuring compliance across 10,000+ ads/month.
- Established a model audit framework leveraging SHAP explainability methods to identify content biases in AI-generated ads, reducing flagged ads for policy violations by 15%.
- Created compliance automation workflows in GCP Vertex AI, integrating ad moderation logs with SQL-based risk dashboards, enabling real-time monitoring for content violations.
- Improved ad approval turnaround time, reducing campaign delays and increasing advertiser retention by 15%.

Data Analyst, Amazon Inc, India

Nov 2019 - Oct 2021

- Conducted model auditing and fairness evaluations on Automatic Speech Recognition models using LIME, SHAP, and AI Fairness 360, identifying bias in language processing across 5+ regions, ensuring GDPR and SOC 2 alignment.
- Monitored AI system performance and risk metrics by developing real-time dashboards using AWS Redshift, Tableau, and Python, improving model drift detection by 30% and enabling bias tracking for regulatory audits.
- Led evidence documentation for AI evaluation processes by aligning model evaluation outputs with internal audit and risk requirements, enhancing audit readiness and reducing compliance gaps across Alexa product teams.
- Collaborated cross-functionally with data scientists, privacy officers, and legal teams to establish responsible AI protocols, integrating model monitoring practices into GDPR and SOC 2 audit cycles, reducing regulatory non-conformance risk.
- Identified algorithmic failures and data inconsistencies in voice data processing pipelines, driving root cause analyses with the engineering team, contributing to error reduction and improving system reliability for the global user base.
- Enabled faster model adjustments across Alexa voice systems, improving voice processing accuracy for 10M+ users.

EDUCATION

MBA, Information Systems | *University of California, Riverside, CA*
Post Graduate Program in AI/ML | *The University of Texas at Austin, TX*
B.Tech | *SRM Institute of Science & Technology, IN*

Ongoing
Feb 2023
May 2019

AWARDS & LEADERSHIP

Runner Up & Best Document Award, ICBSC – Business Strategy Competition, California State University, Long Beach **April 2024**
Graduate Ambassador & MBPP Mentor, AGSM, UC Riverside **Oct 2023 - Present**
Student Affairs Lead, UCR Students Association **June 2024 - Present**
IT Volunteer, San Diego Tamil Sangam **Sep 2023 - Present**
Vice President of Business Relations, Student Career Advisory Council, UC Riverside **Aug 2023 - Jun 2024**
Fellow & City Manager – Fundraising, Make A Difference **Jan 2020 - Aug 2022**