Meghana Denduluri

Hyderabad, Telangana, India ✉ dmeghana18@gmail.com ☐ +918121798718 in/denduluri-meghana

SUMMARY

Product Manager with deep expertise in **AI/ML, LLM integrations, and enterprise financial systems**. Drove the design and global rollout of **Finance Co-Pilot**, a Gen-AI platform automating core finance workflows across **cash flow, payables, receivables, ESG, and tax planning**. Skilled in **agentic AI frameworks, AWS/GCP native architectures, and ERP integrations**, with a proven ability to **partner with executives, translate business needs into scalable solutions, and take products from POC → pilot → enterprise adoption**. Recognized for uniting **technical depth with business strategy** to deliver products that streamline operations and enable faster, data-driven financial decisions.

SKILLS

Hard Skills: Product Management, Roadmap Planning, Go-to-market Strategy, Product Strategy, User Research, A/B Testing, Cross Functional Collaboration, Stakeholder Communication, Product Lifecycle Management, User-Centric Design

Technical Skills: Python, FastAPI, LangChain, ADK, A2A, GCP, Kubernetes, Neo4j (knowledge graph), PostgreSQL, Redis, SciPy, PyTorch, Scikit-learn, Airflow, AWS, Lovable, Windsurf

EXPERIENCE

Senior Product Manager – AI Products and Innovation
ProFinTech   October 2023 – Present, Hyderabad, India

- **Defined product vision and roadmap** for AI-powered finance-co-pilot, translating complex enterprise requirements into user stories that resulted in 10+ multi-tenant deployments across diverse industries.
- **Architected enterprise-grade multi-agent AI system** using Google ADK and Gemini 2.5 Pro LLM, implementing sequential agent orchestration (Intent→Query→Execute→Format) achieving 95%+ natural language to Cypher query accuracy.
- **Presented technical AI roadmaps to C-suite stakeholders** while adapting messaging for diverse audiences—from technical teams focused on LLM integration to business leaders emphasizing ROI metrics and competitive differentiation.
- **Drove adoption of a modern AI cloud services architecture** using FastAPI, Docker, and Kubernetes on Google Cloud, building a multi-tenant configuration engine with tenant-specific JSON configs, Firebase authentication, and dynamic API routing. Scaled the platform across 10+ white-label enterprise deployments with 99.9% uptime, enabling 300% faster onboarding and seamless SaaS growth.
- **Built sophisticated RAG (Retrieval-Augmented Generation) pipeline** combining Neo4j knowledge graphs with Gemini Pro for contextual financial insights, enabling root cause analysis capabilities that proactively identify cash flow optimization opportunities for clients.
- **Engineered modular adapter framework** for Acumatica/Zoho/GCP integration with incremental loading, concurrent ThreadPoolExecutor processing, and automated data validation, achieving 95%+ data accuracy across ERP systems.
- Developed go-to-market and adoption strategies, leading 10+ voice-of-customer sessions and securing buy-in from 10+ strategic enterprise clients, directly leading to $2M in ARR uplift.
- **Leveraged Windsurf and Lovable platforms** for rapid prototyping of features/product module components, reducing concept-to-working-prototype time from 3 weeks to 48 hours and enabling real-time stakeholder feedback during sprints.
- **Led user research initiatives** with customer success and sales teams, conducting 50+ user interviews and usability testing sessions that informed product roadmap decisions and resulted in 40% improvement in feature adoption rates.

Machine Learning Engineer
Amazon Web Services   July 2022 – September 2023, Seattle, WA

- **Architected and deployed scalable ML pipelines** using AWS SageMaker, Glue, and Step Functions, increasing model training throughput by **45%** for aerospace operations.
- **Delivered high-accuracy financial forecasting models** for banking clients, boosting prediction accuracy by **18%** and driving **$500K in quarterly cost optimization decisions**.
- **Implemented MLOps frameworks with CI/CD, versioning, and automated drift detection**, cutting deployment time by **30%**, strengthening governance compliance, and enabling adoption of ML outputs in **regulatory reporting** through enhanced explainability and audit readiness.

Software Development Engineer
Amazon   July 2021 – July 2022, Seattle, WA

- **Designed and scaled automated data ingestion pipelines** that cut downstream processing time by **50%**, improving stability and enabling seamless integration across products.
- **Delivered cloud-native infrastructure with Kinesis, Firehose, and distributed troubleshooting modules (AWS Lambda + CloudWatch)**, reducing maintenance costs by **70%** and incident response time by **40%**.
- **Partnered with engineering teams to refine ingestion workflows for a system ingesting 5TB weekly**, ensuring high reliability, 24/7 diagnostics, and enterprise-grade operational resilience.

EDUCATION

Master's in Data Science
University of Pennsylvania · Philadelphia, PA · 2021 · 3.6/4.0

Bachelor's in Electrical and Electronics Engineering
Gandhi Institute of Technology and Management · Hyderabad, IN · 2019 · 9.3/10.0

CERTIFICATIONS

AWS Certified Machine Learning – Specialty
Amazon Web Services · 2023

AWS Certified Solutions Architect – Associate
Amazon Web Services · 2022