

# Neelapu Dhanushree

Technical Product Manager

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## PROFESSIONAL SUMMARY

Technical Product Manager (AWS Certified, PSM-I) with 4+ years of experience driving AI/ML, automation, and data-powered enterprise products across AWS, healthcare, and sales domains. Proven success defining two-year product roadmaps, leading cross-functional engineering pods, and delivering scalable, intelligent planning tools. Skilled in stakeholder management, leadership reviews, KPI tracking, and global change management. Passionate about enabling data-driven partner and sales planning through automation and AI-driven recommendations.

## PROFESSIONAL EXPERIENCE

### Technical Product Manager | NSP Systems, USA

Jan 2025 – Present

- Defined and managed a **two-year roadmap** for internal AI-based forecasting and partner planning tools aligned to global sales operations.
- Partnered with engineering and data science pods to translate business goals into **technical requirements for partner capacity planning**.
- Introduced **AI/ML automation modules** (n8n + OpenAI + Airtable) reducing planning cycle time from one week → 45 minutes (–80% manual effort).
- Launched KPI dashboards for coverage, utilization, and attainment metrics, improving partner-planning efficiency by **40%**.
- Prepared **roadmap documentation and KPIs for leadership reviews**, driving adoption across U.S. and India teams.
- Led cross-functional workshops with Finance, Ops, and Marketing to align compliance and governance; achieved **95% milestone adherence** and **99% release reliability**.

### Technical Product Manager – Product | Fresenius Medical Care, USA

Jan 2024 – Dec 2024

- Owned roadmap and prioritization for a GenAI-based HR assistant (Gemini + GCP) handling 10K+ monthly interactions; reduced response time by 30%.
- Delivered AI-driven training and planning platform (AWS Bedrock, Lambda, S3), improving completion rates by 100% during pilot.
- Defined KPIs, adoption metrics, and roadmap trade-offs using Power BI dashboards for leadership review.
- Drove global adoption and change management across HR teams, standardized query handling globally.
- Partnered with cross-functional engineering, operations, and training stakeholders (US + India), achieving >95% milestone success.

### Graduate Research Assistant | Robert H. Smith School of Business, USA

Jan 2024 – May 2024

- Engaged with 15+ corporate stakeholders to define platform requirements for a digital onboarding solution aligned with strategic objectives.
- Managed \$30K budget (8% under-spend) and grew partner base by 33% through reinvestment.
- Delivered Figma-based prototype system, accelerating partner commitment by 64%.

### Product Development Engineer | NTT Data, India

Aug 2021 – Jul 2023

- Delivered **AWS-based data pipelines and automation frameworks**, foundational to scaling enterprise sales and claims planning tools.
- Automated DevOps smoke tests improving sprint velocity by **25%**.
- Authored 50+ agile artifacts (user stories, BRDs, specs) aligning delivery to product strategy and roadmap.

## PROJECTS

### LaunchLens – AI Product Intelligence Agent | LangGraph, LangSmith, Gradio

Sep 2025 – Present

- Developed a multi-agent system automating competitor analysis, market sentiment tracking, and KPI reporting cutting analysis time by 85%.
- Delivered real-time structured intelligence reports for product strategy and leadership review.

### n8n – Automation Workflows | OpenAI, LangChain, ElevenLabs

Sept 2025 – Present

- Built intelligent workflow automations for Gmail classification, LinkedIn content scheduling, and voice-based travel planning.
- Demonstrated rapid prototyping for enterprise automation use cases.

### AI SDR Agent with OpenAI Agents SDK | OpenAI Agents SDK, SendGrid

Aug 2025

- Designed an autonomous agent to personalize partner outreach and automate email engagement, directly transferable to AWS Partner/Sales Planning workflows.
- Implemented LLM-driven orchestration with measurable improvement in campaign responsiveness.

### Digital Twin – Personal AI Agent | Python

Aug 2025

- Deployed a personal AI agent that answers professional queries using my resume, LinkedIn, and portfolio.

- Integrated Pushover notifications, automated query logging, and contextual lead capture to simulate an SDK-driven customer-facing system.

## SKILLS

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- **Programming & Prototyping:** Python, JavaScript, n8n, LangChain, LangGraph, LangSmith, OpenAI, Gradio
- **AI & ML:** Large Language Models (LLMs), AI Agents, Agentic Workflows, Generative AI, Speech/Voice Prototyping (ElevenLabs), Conversational AI
- **Cloud & Platforms:** AWS (Bedrock, Lambda, S3), GCP, Azure, Kubernetes, Docker, Snowflake, BigQuery
- **Data & Analytics:** SQL, PySpark, Kafka, Apache Airflow, Power BI, Tableau, Looker
- **Tools & Delivery:** Jira, Confluence, Figma, BRDs, Risk Registers, UAT, Product Roadmap Management, Cross-functional Team Leadership
- **Product Management:** Agile Scrum (PSM-I), Roadmap Strategy, Feature Prioritization, KPI Tracking, Leadership Reviews, Change Management

## EDUCATION

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### Master of Science in Information Systems Management

**Aug 2023 – Dec 2024**

University of Maryland, Robert H. Smith School of Business, College Park, MD, USA

### Bachelor of Technology in Information Technology

**Jul 2017 – Jul 2021**

Jawaharlal Nehru Technological University (JNTU) Hyderabad, India

## CERTIFICATIONS

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- AWS Certified Solutions Architect – Associate
- Professional Scrum Master (PSM-I)
- Google Certified in Python, Machine Learning
- IT Project Management – ISB