

# Deepa Shalini K

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## PROFESSIONAL SUMMARY

**AI Product Owner** delivering end-to-end enterprise AI solutions from concept to production and adoption. Experienced in shaping product vision and translating complex business challenges into scalable, high-impact outcomes. Seasoned corporate speaker with strong executive presence, known for persuasive storytelling, high-impact demos, and workshops that influence stakeholders and accelerate decisions. Leverages storytelling to drive alignment, secure buy-in, and move products from **0→1 to scale**, combining product thinking with hands-on AI prototyping to deliver **ROI-driven business value**.

## WORK EXPERIENCE

### Thermo Fisher Scientific

Bangalore, Karnataka

Product Owner III - Generative AI Solutions

Sep 2025 - Present

- **Own end-to-end product development of a GenAI-powered contract renewals decision-support platform**—from executive discovery workshops, current-state process mapping, and problem definition to solution visioning, AI prototyping, and production delivery—translating complex commercial workflows into AI-driven insights that surface non-compliance, upsell, and bundling opportunities—unlocking **\$3.1M in projected annual bookings**.
- **Own product vision, strategy, and roadmap for enterprise AI solutions in instrument services workflows**, driving cross-functional execution from backlog definition through production adoption, resulting in **\$3.5M annual savings** and **25× user growth following transition from a third-party solution**.
- Conceived, built and deployed a **0→1 AI assistant MVP within ServiceNow for L1 support**—developing back-end services, front-end UI, and integrations—to demonstrate product value and secure stakeholder buy-in, **securing investment for production scale and reducing issue resolution time by 30%**.

### Thermo Fisher Scientific

Bangalore, Karnataka

Product Owner II - Generative AI Solutions

Sep 2024 - Aug 2025

- **Defined and scaled a GenAI-driven opportunity intelligence platform**, integrating internal portfolio data with external bids, tenders, and grants, while owning roadmap, stakeholder alignment, and deployment strategy—driving a **40% increase in qualified opportunities** and **\$2M in incremental bookings**.
- Led **pilot-to-production** requirements, backlog, and deployment of a **GenAI image processing pipeline**, defining evaluation criteria, governance, and success metrics, delivering a **99% cost reduction per image**.

### Thermo Fisher Scientific

Bangalore, Karnataka

Software Engineer II

May 2022 - Sep 2024

- Designed, developed, deployed, and demonstrated bio-analytical and visualization solutions within SampleManager LIMS, independently owning **end-to-end implementation** to support pre-sales evaluations, directly contributing to **three major enterprise wins within three months of launch**.
- Built interactive BI dashboards and **pre-sales demo modules** (Python, Plotly, C#) within SampleManager LIMS, creating **proofs-of-value** and demo narratives used in sales engagements, contributing to a **15% increase** in qualified sales opportunities.

### Thermo Fisher Scientific

Bangalore, Karnataka

Software Engineer I

Aug 2020 - May 2022

- Developed and deployed **BI and ML dashboards** for SampleManager LIMS customers, providing a bird's-eye view of laboratory operations for enterprise users to identify bottlenecks, fail-early samples, and data anomalies, enabling **resource savings**, improved planning, and **faster, risk-aware decision-making**.
- Engineered and supported **production-grade enterprise deployments**, collaborating closely with customers to communicate system behaviour, limitations, and best practices, improving reliability and trust in production environments

## SKILLS

**Product Strategy & Delivery** : Product Strategy & Vision, Roadmapping & Prioritization, Backlog Ownership, KPI Definition & Business Impact Measurement, Executive Discovery Workshops, Proof-of-Concept (PoC) & Proof-of-Value (PoV), Pilot-to-Production AI Systems, Enterprise Workflow Integration

**Technical & Applied AI** : Generative AI & LLMs, Agentic AI Systems, Prompt Engineering, AI Prototyping, Production AI Systems, Python, JavaScript, REST APIs, SQL, Docker, Kubernetes (EKS), CI/CD Pipelines, Enterprise Data Integration, Data Visualization (Plotly, Dash, Power BI)

**Communication**: Executive Storytelling & Value Articulation, Stakeholder Management (VP & Director-level), Workshop Facilitation, Pre-Sales Demos & PoV Presentations, Translating Technical Concepts for Non-Technical Audiences, Public Speaking & Corporate Panel Moderation

## ACHIEVEMENTS

- **Plotly Publication** — **The Golden Trilogy with Plotly (2026)**, Explores how the same dataset can evolve from standard charts to narrative-driven visualizations.
- **Peregrine Prize**, Plotly Analytics Vibe-a-thon 2025 - for unconventional and innovative visualizations using GenAI prompting
- **Winner**, Plotly Autumn App Challenge 2022 - for storytelling excellence, translating complex AI-driven insights into intuitive, high-impact visual narratives
- **Runner-Up**, Plotly Summer App Challenge 2022 - for creative BI visualizations, smooth navigation and effective data exploration

## EDUCATION

### IBAB

Bangalore, Karnataka

Master of Science in Bioinformatics and Biotechnology

Graduation Date: Jul 2020

### Mount Carmel College

Bangalore, Karnataka

Bachelor of Science in Biotechnology

Graduation Date: Jun 2018