

Sabyasachi Mishra

AI Product Manager | 0→1 GenAI Copilots | Evaluation + Guardrails | LLM/NLP/CV

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PROFESSIONAL SUMMARY

Hands-on PM bridging business outcomes and technical execution across **LLMs, NLP, and CV workflows**. Shipped prototypes into production by defining probabilistic success metrics (quality vs. latency/cost), building evaluation frameworks, and implementing **guardrails, monitoring, and human-in-the-loop patterns** to manage model risk at scale.

PROFESSIONAL EXPERIENCE

August 2025 – Present

AI Product Manager, Stanza Living

- **Vision & Voice Copilots:** Led the evaluation and deployment of Computer Vision based housekeeping validation and Voice AI reporting across **22 operational clusters** (400+ stakeholders). Reduced inspection validation turnaround time from **12 hours to 15 minutes** while increasing audit coverage by **35%** via automated spot-checks.
- **Monitoring & Guardrails:** Implemented confidence-based routing, directing predictions below **65%** to human-in-the-loop workflows. Established **data drift monitoring** with retraining triggers, ensuring consistent model performance across diverse property environments.
- **Scalable Intelligence:** Architected a unified intelligence surface aggregating signals from 22 clusters. Reduced pilot cycle time by validating technical feasibility through functional **Streamlit/Python prototypes** before production scaling.

June 2023 – July 2025
Delhi, India

Assistant Product Manager, Power Finance Corporation Limited

- **NLP-Driven Risk Detection:** Deployed **Entity Extraction** and heuristic scoring models to parse unstructured credit data, identifying early-risk indicators in high-value infrastructure loans.
- **Privacy & Compliance:** Partnered with leadership to build portfolio intelligence dashboards, ensuring strict adherence to **PII masking, role-based access controls (RBAC), and data minimisation** protocols.
- **Outcome:** Balanced model sensitivity (Recall) with operational efficiency, reducing early-stage default exposure by **20%** while automating 85% of manual financial data parsing.

January 2021 –
August 2021
Bhubaneswar, India

Co-founder & Product Lead, Brahmagupta Edu Pvt. Ltd.

- **Led 11-member team to ship adaptive learning MVP, boosting engagement by 40%**
- **Grew YoY revenue by 50% through AI-driven personalization and smarter content delivery**

January 2020 –
December 2020
Bangalore, India

Product Associate, Pigeon Education Pvt. Ltd.

- **Launched ML-enabled grading assistant, reducing ops effort by 40%**
- **Improved student participation by 30% via UX revamps + gamified features**

SKILLS

AI Technical Stack

LLMs (GPT-4), NLP (Entity Extraction), Computer Vision concepts, Prompt Engineering, Embeddings, RAG (Retrieval Augmented Generation), FastAPI, Streamlit.

Product Management

A/B Testing, Probabilistic Success Metrics (Precision, Recall, F1-Score), Latency Optimization, User Research, MVP Architecture.

Tools & Platforms

Python, SQL, FastAPI, Streamlit, Mixpanel, Figma, JIRA, Github Projects, Notion

PROJECTS

MoodBite – Voice-first food concierge [↗](#)

- Designed and engineered a voice-native ordering interface to solve decision paralysis, directly mirroring the core discovery loop in Food Ordering.
- Architected an end-to-end voice pipeline using **OpenAI API (LLM)** for intent recognition and **Web Speech API** for input, reducing the "trial to preference" discovery loop by **60%**.
- Handled probabilistic edge cases in speech recognition to ensure 95% intent accuracy, driving a **37% conversion rate** from browsing to checkout.

FeatureFit – AI-Powered Feature Prioritization Tool [↗](#)

- Reduced sprint planning cycles by 40% by structuring feature scoring and auto-generating impact summaries for PMs. Built in Python + Streamlit + GPT API. [↗](#)

LLM Tuner – Prompt experimentation sandbox

- Halved prompt experimentation loops by offering side-by-side outputs, prompt versioning, and reusable templates. Built with FastAPI + Streamlit + OpenAI API.

CERTIFICATIONS

- Certified ScrumMaster® (CSM) – Scrum Alliance
- Professional Scrum Product Owner II (PSPO II) – Scrum.org
- **NTSE Scholar – Top 0.1% India**
- **Finalist** – Tekion PM Case Competition (2022) & WITDA Case Challenge (2022)

EDUCATION

2021 – 2023

MBA, IIM Indore

2016 – 2020

B.Tech(Electronics and Communication Engineering), BIT Mesra