

Yaswanth Kumar Ippili

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CAREER SUMMARY

Product Manager with a strong engineering background, building AI-powered products that reduce user friction and improve decision-making. Experienced in problem discovery, MVP execution, and metric-driven iteration across LLM-based systems, developer tooling, and health-tech products.

Key strengths: Product strategy, analytics, MVP delivery, AI integration, and stakeholder alignment.

PRODUCT LEADERSHIP & EXPERIENCE

E-Cell, IIIT Bhubaneswar

Product Manager / Dec 2022 – Apr 2024

- Owned planning and execution for 10+ student-facing events and 30+ campaigns, increasing engagement by **40%** over two semesters.
- Standardized design systems and sprint workflows, reducing turnaround time by **35%** and improving delivery consistency.
- Coordinated with design, tech, and marketing stakeholders to balance speed of execution with quality of user experience.
- Defined engagement and retention metrics; deprioritized low-impact campaigns based on post-event participation drop-offs.

PROJECTS

ChatPDF Pro – Multi-Document RAG QA System

Python, LangChain, GPT-4, Pinecone, FastAPI

- Identified inefficiencies in querying large document repositories, where users lost context and relied on manual search.
- Built an LLM-powered RAG system to enable question answering across 300+ PDFs with citation tracking and multi-turn context retention.
- Tuned chunking and metadata strategies with Pinecone-backed semantic search, achieving **89% QA accuracy** on a curated document-query benchmark.
- Reduced document ingestion latency to under **6 seconds per 5MB**, improving onboarding speed for large knowledge bases.

DevAssistant AI – Java Debugging Assistant

Java, OpenRouter GPT API, JavaParser, JUnit

- Observed developer time loss due to repetitive debugging and manual test creation in Java workflows.
- Built a CLI-based AI assistant to analyze error logs, recommend fixes, and auto-generate JUnit tests from parsed source code.
- Tested across 150+ cases, reducing debugging turnaround by **40%** and improving test coverage by **25%** versus manual baselines.
- Designed a modular architecture, consciously deferring advanced features to avoid early over-engineering.

HealthRiskAI – Predictive Disease Risk Scoring

Python, XGBoost, SHAP, Flask, AWS Lambda

- Addressed the lack of interpretable ML tools for early chronic disease risk assessment using clinical data.
- Built an end-to-end ML pipeline on NHANES and MIMIC-III datasets to predict diabetes and cardiovascular risk.
- Deployed a serverless Flask API on AWS Lambda, achieving **AUC-ROC 0.92** with strong calibration (Brier score 0.12) on held-out validation data.
- Applied SHAP-based explainability to surface patient-level risk drivers, supporting transparent decision-making.

SKILLS

Product & Strategy

Roadmapping, Prioritization (RICE), Market Research, Experiment Design, Agile Product Development

Analytics & Tools

SQL, GA4, Amplitude, Mixpanel, Figma, Miro, Jira, Confluence, Notion

Technical Stack

Python, Java, LLM APIs, LangChain, FastAPI, XGBoost, Pinecone, SHAP, Git/GitHub

EDUCATION

International Institute of Information Technology, Bhubaneswar

2022 – Present

Bachelor of Technology – Computer Science & Engineering

VIRTUAL EXPERIENCE & CERTIFICATIONS

- **Electronic Arts (EA) Product Management Simulation, Forage (2024)** – Improved retention forecast by **15%** using feature prioritization; drafted Jira and stakeholder reports.
- **Google GenAI Academy (2025)** – Participated in hands-on modules covering generative AI applications, prompt design, and ethical model usage.
- **Product Impact** – Shipped 3+ AI-driven tools end-to-end, from problem discovery to deployment, used across developer and research workflows.