

VIJETA.

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EXECUTIVE SUMMARY

Multidisciplinary Product Owner and R&D Leader with a strong foundation in software engineering, AI research, and UX strategy. Proven track record of translating complex technical capabilities into scalable, user-centric business solutions. Expertise in defining Product Requirements Documents (PRDs), managing cross-functional technical teams, and leading data-driven product iterations. Blends startup entrepreneurial experience with advanced technical insight (Generative AI, LLMs, MCP) to drive product strategy, execute rapid prototyping, and deliver high-impact operational improvements.

CORE COMPETENCIES

- **Product Management:** Product Requirements Documents (PRDs), Agile/Scrum Methodologies, Roadmap Planning, Cross-Functional Leadership, Stakeholder Management, Go-to-Market (GTM) Strategy.
- **Research & Development (R&D):** Generative AI (LLMs, MCP, ADK), Rapid Prototyping, Tech Stack Evaluation, Innovation Strategy, Hardware/Software Integration.
- **Data & UX Strategy:** Data Analytics, A/B Testing, User Experience (UX) Research, Website Optimization, Performance Metrics Tracking.
- **Technical Foundations:** Full-Stack Architecture, Python, SQL, Cloud Platforms (AWS, Azure, GCP), Data Visualization.

PROFESSIONAL EXPERIENCE

Educational Initiatives (Ei) | Bengaluru, India

Product Owner & Data Analytics Lead | Jan 2025 – Present

- Spearhead the data-driven product strategy for student learning platforms, processing and analyzing millions of user interactions to pinpoint educational misconceptions and inform iterative product development.
- Authored and finalized the Product Requirements Document (PRD) for an automated dashboard generation suite tailored for institutional analytics, successfully aligning engineering execution with stakeholder requirements.
- Curated high-value analytics datasets by strategically filtering out non-standard project deployments, maintaining strict organizational visibility on critical, high-risk performance metrics.

R&D Manager / AI Engineer | Jul 2024 – Dec 2024

- Directed enterprise Research and Development initiatives integrating Generative AI, utilizing the Model Context Protocol (MCP) and Agent Development Kit (ADK) to architect autonomous, tool-using systems.
- Managed and mentored engineering interns, establishing strict weekly reporting workflows, drafting 6-month performance contracts, and setting milestone objectives to ensure successful product delivery.

Software Engineer (Platform & Full-Stack) | Jan 2024 – Jun 2024

- Bridged the gap between backend capabilities and user experience, leading website revamping initiatives and automating dashboard suites.
- Architected core database setups, strictly configuring access parameters (postgres1, misconception_db) to establish secure, scalable environments for internal R&D projects.

Hext | Sivakasi, India

Co-founder & Product Lead | Oct 2022 – Dec 2024

- Drove product planning, business development, and strategic direction from ideation to market execution for a multidisciplinary startup.
- Defined core product features and established rapid prototyping cycles to test market viability, balancing technical constraints with business objectives.
- Led brand aesthetic development and drafted comprehensive business proposals for new verticals, including an innovative technoware and streetwear brand targeting Gen Z and Gen Alpha consumers.

Consultancy & Strategic Leadership | Various Engagements

Product & UI/UX Consultant | 2023 – Present

- **E-Commerce Product Strategy (BonhomiaWorld & Pujaroom.com):** Led strategic platform revamping and user journey optimization for specialized e-commerce brands, directly improving interface clarity and conversion pathways.
- **Guest Lecturer (MCC College, Bangalore):** Instructed master's degree students on rapid prototyping methodologies, AI tool integration, and product ideation frameworks.
- **Freelance Strategist (Yooham Foods):** Conducted comprehensive UX research and market analysis to refine startup branding and product positioning.
- **Google Developer Expert (GDE) Candidate:** Currently completing the rigorous roadmap to become a recognized Google Developer Expert.

KEY R&D & PRODUCT PROJECTS

- **AI Job Application Assistant:** Managed the product vision for an intelligent, RAG-based tool utilizing Google's Gemini API, Python, and Hugging Face to tailor professional application materials based on active job market data.
- **German Economic Insights Dashboard:** Directed the end-to-end development of a data visualization platform that parses complex economic texts from the German Institute of Economic Research (DIW) to generate strategic narrative stories for end-users.

- **CSR Data Crawler:** Architected an AI-powered data product designed to autonomously fetch, organize, and track public corporate social responsibility metrics, automating manual research processes.
- **Local LLM Personal Assistant:** Prototyped a hardware-software integration utilizing Arduino, IoT sensors (VL53L0X), and local nano-LLMs to demonstrate next-generation edge-computing capabilities.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering

Mepco Schlenk Engineering College | Sivakasi, India (2020 – 2024)

- **Leadership:** Marketing Lead (Google Developer Student Club), Software Team Head (IEEE & WIE Student's Chapter).

Specialization 3D Printing and Additive Manufacturing

University of Illinois Urbana-Champaign, Apr 2024.

- **Hardware & Prototyping:** 3D Printing and Additive Manufacturing Specialization (University of Illinois Urbana-Champaign, Apr 2024).

CERTIFICATIONS & BADGES

- **Product, Strategy & Reporting:** IBM Project Management Fundamentals, IBM Enterprise Design Thinking (Practitioner, Co-Creator, Team Essentials for AI), Cisco Engaging Stakeholders for Success & Creating Compelling Reports, Celonis Process Automation Bootcamp.
- **AI & Data Science:** Google Cloud (Prompt Design in Vertex AI, Gemini & Imagen Apps), IBM (RAG for Enhanced AI, AI Fundamentals, Data Science Tools, IBM Z Day 2025 SE), Microsoft Azure (AI & Data Fundamentals).
- **Cloud & Infrastructure:** AWS Academy Cloud Architecting, Broadcom/VMware (Cloud & Network Virtualization), Microsoft Power Platform Fundamentals.
- **Hardware, Security & Emerging Tech:** UIUC 3D Printing & Additive Manufacturing Specialization, Cisco Intro to IoT, IBM Quantum Enigmas & Cybersecurity Fundamentals.