

# YUVARAJ GAJALAJAMGAM

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Aspiring Product Manager | IIIT Hyderabad | B.Tech AI/ML

Architecting data-driven solutions that reduce latency, eliminate operational friction, and unlock measurable revenue opportunities.

## EXPERIENCE

**Technology Transfer Office (TTO), IIIT Hyderabad** | [Project Link](#) **2024** **Hyderabad, India**

*Product Management Intern – AI Visualization & IP Strategy*

*May 2025 – Jul 2025*

- **Built the "IIIT-H Technology Portfolio" from scratch:** Consolidated 257 research papers and 104 patents into a centralized visualization dashboard, reducing stakeholder IP discovery time by 50%.
- **Engineered AI-driven asset classification:** Deployed Grok and Gemini models to categorize IP by TRL (2-8) and market potential, facilitating high-value licensing deals like DreamVu Inc.
- **Visualized strategic alignment:** Designed interactive heatmaps mapping institutional IP to UN SDGs, providing a quantitative view of a \$197B+ market alignment in AI and Robotics.

### Neerovel, T-Hub

**Hyderabad, India**

*Product Management Intern – IoT Transformation*

*Dec 2023 – Jun 2024*

- **Led technical migration:** Directed the transition from legacy Blink IoT systems to a unified web interface, reducing operational friction by 40% and user workflow time by 30%.
- **Deployed real-time telemetry:** Shipped monitoring dashboards for water management devices, driving a 25% uplift in stakeholder satisfaction through instant anomaly detection.
- **Closed feedback loops:** Structured a product roadmap based on iterative user research, translating usage gaps into prioritized engineering sprints to reduce dev cycles.

### LTRC, IIIT Hyderabad

**Hyderabad, India**

*NLP Research Intern – Speech Summarization*

*Jul 2023 – Nov 2023*

- **Accelerated prototyping:** Curated a specialized NLP dataset for speech summarization that enabled 5+ downstream product prototypes by validating performance against user needs.

## KEY PRODUCT INITIATIVES

**MindMastery: Privacy-First AI EdTech** | [Project Link](#)

**2024**

- **Architected for scale:** Designed a local-first platform using Qwen 2.5-7B, achieving  $\mu$ s latency for document parsing while eliminating 3rd-party API costs.
- **Enforced code modularity:** Applied Factory and Observer design patterns to the codebase, reducing technical debt and cutting feature integration time to  $\mu$ 2 days.

**Kalaa: AI-Driven Fashion Marketplace** | [Project Link](#)

**2024**

- **Validated market opportunity:** Identified a \$197B market gap for 64% offline-first consumers, designing an O2O solution that digitizes traditional inventory.
- **Leveraged Generative AI:** Integrated CycleGANs and Neural Style Transfer for on-demand pattern generation and conceptualized AR Virtual Try-On features.

**Wireless Robotic Hand:** [Link](#)

**2024**

- Engineered a gesture-control system using the ESP-NOW protocol; optimized torque-to-weight ratio for 7 servos using laser-cut acrylic.

## EDUCATION

**IIIT Hyderabad:** Master of Technology in Product Design Management

**Expected Apr 2026**

**HITAM:** Bachelor of Technology in Artificial Intelligence & Machine Learning

**Apr 2024**

## TECHNICAL & PRODUCT SKILLS

**Product Discovery:** User Research, Market Analysis, RICE/ICE Prioritization, GTM Strategy

**Execution & Tech:** SQL, Python (Pandas/NumPy), LLMs (LangChain), Figma, Tableau, Agile/Scrum

**Leadership:** Stakeholder Alignment, Metrics-Driven Decision Making, Cross-Functional Collaboration

## HONORS & RECOGNITION

**International: Minor Graduate** – Grand Challenges Scholars Program (NAE, USA); **Qualified Competitor** – XPRIZE Carbon Removal.

**National: Winner** – GSEA (EO Hyderabad); **Top 50** – Samsung SFT India; **Semi-finalist** – Cisco GPSC; **Best Expo** – Robothon; **Grantee** – BIRAC E-YUVA.