



# KEERTHI SREE MARRAPU

+91-9966076965 | mksree066@gmail.com | [linkedin.com/in/mksree](https://www.linkedin.com/in/mksree)

## EDUCATION

Year	Degree/Exam	Institute	Grade
2024	B.Tech. (Hons.) Manufacturing Science & Engg.	Indian Institute of Technology Kharagpur	7.97/10
2024	Micro Spl. in AI & Applications	Indian Institute of Technology Kharagpur	8.53/10
2020	Board of Intermediate Education AP	FIITJEE Junior College	9.67/10

## EXPERIENCE

### Product Engineer | Hushh.ai | Pune

May 2024 – May 2025

- Authored PRDs and user journeys for 4 core offerings (Vibe Search, Valet Chat, Hushh Button, Hushh Companion)
- Led GTM execution, competitive analysis, pitch deck creation, and SEO-driven content for web, LinkedIn and marketing
- Defined PRDs and led team of 10+ across engineering, BD & design; delivered internal MVPs within 2-month timeline
- Drove data-driven decisions by analyzing data patterns, framed 5+ product metrics and guiding product enhancement
- Liaised with Gartner, advisors & 20+ key clients (e.g., LVMH, Reliance) for 5+ products and aligned board expectations
- Represented at 2 international forums: **Viva Technology 2024**, **Abu Dhabi Finance Week 2024**; brought 70+ leads

### ML & Product Management Intern | Hushh.ai | Remote

Jun 2023 – May 2024

- Scoped product strategy, UX & data architecture for 4+ products (app, extn., sdk etc.); led GTM with brand-facing assets
- Built fashion data pipeline (Gmail API), explored on-device ML (YOLOv3, CoreML), ran A/B tests, bug tracking and ads
- Shaped roadmap via 10+ user interviews, persona dev & luxury brand/market research; designed website (Figma, WP)

### Python Developer Intern (Data Governance) | Ernst & Young | Remote

Apr 2023 – Jun 2023

- Developed Python-based validation tool to process 10+ yrs insurance records using 125+ distinct data quality functions
- Structured 800+ DQ rules from text-based rules to JSON-driven rule engine for dynamic rule application and validation
- Implemented 4 distinct data validation strategies; led a team of 3 engineers across reviews, delegation and debugging
- Automated Excel reporting with stats, color-coded compliance & error logs, surfacing 87% of critical data quality issues

### Research Intern (Silicon Prediction Model) | CoEAMT, IIT KGP | Kharagpur

Feb 2022 – Dec 2022

- Analyzed hot metal composition data & pre-processed raw plant data to train ML models for IISCo Burnpur Steel Plant
- Benchmarked and evaluated 5+ algorithms, including PLS Regression, Random Forest, XGBoost, and Neural Networks
- Achieved 89% MAE using Artificial Neural Networks, enabling potential cost savings and blast furnace optimization

## AI & TECHNICAL PROJECTS

### AI-Powered Multi-Agent Data Analysis Pipeline | Self Project | ([Link](#))

Apr 2025

- Devised LangGraph multi-agent pipeline replacing manual sales data analysis with 5–10 min automated insights
- Orchestrated 4 specialised LLM agents (Analyst, Python Expert etc.) to auto-generate queries, interpret & summarize
- Built RAG-ready descriptions with Tool/Memory Augmentation for high-context understanding & autonomous execution

### AI Tool for Intellectual Humility (IH) Analysis | B.Tech Thesis, IIT KGP (Grade: A) | ([Link](#))

Apr 2024

- Developed LLM-based (Google Gemini Pro 1.0) tool to identify IH traits using Upaniṣadic texts and “Indian IH Scale”
- Crafted a curated dataset and used few-shot learning with prompting for nuanced 30 IH trait extraction across narratives
- Validated qualitative performance on unseen stories and languages via Streamlit UI; documented work in B.Tech. Thesis

### DocuSense | PDF Management Tool | Self Project | ([Link](#))

May 2023

- Built a PDF management tool for usage stats, duplicate detection (MD5 hashing), and OCR text extraction (PyPDF2)
- Used pandas & NLTK for data extraction & analysis; Scikit-learn K-Means for clustering; tested tool on 500+ PDFs
- Engineered a TF-IDF and cosine similarity-based search engine for content-based PDF retrieval; designed UI mockups

## RESEARCH

**Marrapu, K. S., & Gajjam, J. A. (2025). Relevance of Upaniṣadic Stories to Intellectual Humility in Indian Students.**

Manuscript submitted; Abstract selected for World Sanskrit Conference, Nepal, 2025

## SKILLS

**Product Management:** Roadmapping | PRDs & User Stories | UX & Market Research | Wireframing | A/B Testing

**Tools & Platforms:** Google Analytics | Figma | Semrush | VS Code | Jupyter | Git & GitHub | Supabase | GCP | Framer

**Data Science & ML:** Data Cleaning & Preprocessing | Data Analytics | Low/No-Code Prototyping | Multi-Agent LLM Orchestration | NLP (Semantic Search, Sentiment) | LLM Tech. (RAG, Prompt Eng., CoT, Tool/Memory Aug.) | Automation

**Languages, Libraries & Frameworks:** Python | SQL | scikit-learn | pandas | NumPy | NLTK | PyTorch | Matplotlib | Hugging Face | Streamlit | LangChain/LangGraph | OpenAI & Google GenAI APIs

## POSITIONS OF RESPONSIBILITY

### Governor | Prodex, IIT Kharagpur

Jan 2021 – May 2024

- Achieved 6 competition wins & mentored 60+ juniors to accolades in product design, Completed 3.5 years of tenure as Associate member (2020-21), Senior Member (2021-22) & Management Head (2022-23) and Governor (2023-24)

### Committee Member | IIT Kharagpur Alumni Association Pune Chapter

Dec 2024 – Present