

Darsh Dave

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AI PRODUCT MANAGER SUMMARY

AI Product Manager with hands-on depth in data engineering, AI research execution, and product strategy. Experienced across **AI/ML product discovery**, roadmap thinking, user-centered workflows, analytics platforms, ETL/ELT pipelines, RAG/LLM use cases, and stakeholder execution. At Refyne, improved ETL/ELT execution up to **40%** and query performance up to **30%**; through OnlyScholar, built a repeatable research pipeline delivering **25+ papers**, **21+ accepted projects**, and **2+ active projects** while pursuing Ph.D. research at IIIT Allahabad.

JOB EXPERIENCE

SDE-II (Data Engineer) Sept 2023 – Present
[Refyne India](#) Bengaluru, India

- **Built production analytics infrastructure** using Python, Airflow, AWS ETL/ELT, Redshift, and Snowflake to improve data quality, KPI reporting, and decision-ready dashboards.
- **Automated monitoring, recovery, and workflow orchestration** to improve ETL execution up to **40%** and reduce manual operations for product and business teams.
- **Optimized warehouse queries and platform pipelines** to improve performance up to **30%**, strengthening stakeholder trust in metrics and reporting.

Lecturer Dec 2021 – Nov 2022
[Parul University](#) Vadodara, India

- **Taught Data Structures, Database Systems, and Python** through labs and capstones to build practical engineering skills for 100+ students per semester.
- **Designed project briefs, programming exercises, and evaluation workflows** to improve problem-solving, requirements clarity, and implementation readiness.
- **Added hands-on deep learning modules** to connect AI concepts with model implementation, experimentation, and result interpretation.

BUSINESS & FREELANCING EXPERIENCE

Founder July 2025 – Present
[OnlyScholar](#)

- **Own the AI research-to-product workflow** from problem scoping, literature review, implementation, experiments, and publication planning to scholar delivery.
- **Built a repeatable AI research operating system** that completed **25+ papers** and moved **21+ projects** through acceptance pipelines.
- **Manage 2+ active AI research projects** with roadmap thinking, milestone tracking, and product direction to turn research into usable outcomes.

Academic Research Paper Writer Jan 2023 – July 2025
[Freelance](#)

- **Delivered computer vision and AI implementation projects** by translating client requirements into experiments, methods, results, and submission-ready manuscripts.
- **Structured reproducible research deliverables** around datasets, baselines, metrics, ablations, and reviewer clarity to improve submission quality.
- **Converted technical outputs into publishable research narratives** so clients could communicate problem, method, results, and contribution clearly.

SKILLS

Product: Strategy, roadmap planning, feature prioritization, user research, UI/UX, GTM, stakeholder management, KPI tracking

AI/ML: Machine learning, deep learning, computer vision, NLP, GenAI, AI agents, RAG/LLM, vector databases

Data: Python, SQL/NoSQL, Airflow, AWS Glue, Redshift, Snowflake, MongoDB, ETL/ELT, data warehousing

Tools: Figma, REST APIs, Docker, Git/GitHub, CrewAI, n8n, Lovable, Gamma

RESEARCH PAPERS

- **DATS** – AIP Conference Proceedings, 2024.
Impact: improved **road-scene text spotting** for driver assistance across blur, noise, shear, and small-text cases.
- **LightHARs** – Springer Nature Singapore, 2023.
Impact: designed **lightweight activity recognition** balancing privacy, accuracy, and low compute.
- **Insect Recognition** – AIP Conference Proceedings, 2023.
Impact: applied **computer vision** for early pest detection in smart agriculture.
- **Automated Gas Leakage Security System** – JETIR, 2020.
Impact: built **IoT safety alerts** for gas-leakage detection using SMS, email, and call response.

EDUCATION

PhD, IT (AI Research) From Jan 2026
IIIT Allahabad Pursuing

M.Tech, Computer Engineering Completed 2023
Parul University Gold Medalist; CGPA 9.09/10.0

B.Tech, Computer Science Engineering Completed 2021
Parul University CGPA 7.19/10.0

PRODUCT PORTFOLIO

AI PROJECTS

AdPilot GitHub | Prototype
Impact: validates marketing campaigns with AI agents across persona, geography, channel mix, creative risk, and forecasts.

RAGLab GitHub | Prototype
Impact: benchmarks BM25, vector, hybrid, memory, and graph RAG with evidence quality and latency comparison.

DeployPilot GitHub | Prototype
Impact: simulates AI DevOps deployment decisions with release risk, environment checks, and operational evidence.

DataTalk GitHub | Prototype
Impact: turns natural-language business questions into constrained SQL-backed answers with evidence.

KEY ACHIEVEMENTS

* Research Execution Scale

25+ papers completed, 21+ accepted projects, 2+ active pipeline projects.

+ Data Platform Impact

Improved ETL/ELT execution up to 40% and query performance up to 30%.

> AI Product Portfolio

Built demos for data querying, RAG benchmarking, and campaign validation.