APARNA SIVAKUMAR

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Portfolio: https://aparnasivakumar.vercel.app/

EXPERIENCE

Analyst Intern — CMC Hospitals, Vellore   Aug 2025 – Dec 2025

Built an internal healthcare coordination platform to improve real-time communication and decision-making.

- Analyzed clinical coordination data and communication patterns to identify operational bottlenecks, using data mining techniques to surface delays and improve decision making in time sensitive healthcare workflows.
- Worked with clinicians and operations teams to translate frontline needs into clear system requirements, ensuring the internal coordination platform addressed real world usage and business priorities.
- Supported solution adoption by creating workflow documentation and rollout briefs, helping cross functional teams consistently use the platform in high pressure care settings.

AI & Market Intelligence Analyst — National University of Singapore   Dec 2024 – Jan 2025

Deployed an AI-based market intelligence platform for Product Recommendation to support data-driven strategic planning for small enterprises.

- Analyzed large volumes of social, news, and industry data to uncover market and audience trends, applying data mining techniques to identify patterns that informed small business strategy and product direction.
- Contributed to the development of AI driven applications that structured unorganized market signals into actionable insights, helping teams experiment with early LLM based workflows for recommendation and analysis use cases.
- Turned AI driven insights into structured outputs that supported product evaluation and planning.

Open Source Contributor — Gemini API & Agents Toolkit   Remote — 2025

Improved developer-facing experience for Google's Gemini ecosystem.

- Enhanced GenAI API documentation and functional examples, improving clarity, usability, and adoption for developers (PR #571).
- Refactored agent pipelines to improve execution consistency and scalability, reducing friction in real-world usage (PR #30).

LEADERSHIP & MARKETING EXPERIENCE

Manager — International Relations Committee, Gravitas (VIT)   2025

Student-led international relations team responsible for coordinating global delegations and external partnerships for Gravitas, VIT's flagship international tech and cultural festival.

- Led five cross-functional teams to deliver seamless end-to-end operations for 150+ international delegates from Japan, Africa, Bhutan, Nepal, and Sri Lanka, applying strategic planning, creative problem solving, and product style workflow design under a tight two week timeline.
- Directed all core operational functions including visas, transportation, guest care, events, hospitality, and media resolving issues quickly and aligning diverse teams to ensure smooth execution in a high-pressure, fast-changing environment.
- Built strong stakeholder relationships and partnered with major media outlets like CNN News to drive high visibility coverage, strengthen marketing communication, and support cross-cultural alignment across delegations.

POC — AI/ML Club, VIT   2023–2024

- Led 10+ AI/ML workshops and hackathons for 200+ students, managing end-to-end logistics and coordination.
- Mentored peers on structured project execution and problem-solving frameworks.

PROJECTS

Product Recommendation & Insights System

- Developed a forecasting-based product insights system that converts market and demand signals into structured recommendations, using defined analytical logic and data flows to support data-driven product decisions.
- GitHub Link

Medifind — Healthcare Patient Insights Assistant

- Developed a multimodal AI symptom-intake assistant that structures patient inputs into actionable insights, guiding users toward appropriate medical specialties and potential conditions through well-defined system logic and user flows.
- HuggingFace Link

Weather Forecasting System

- Built a weather forecasting system utilizing machine learning models to predict weather conditions based on historical data, aimed at enhancing decision-making for sectors like agriculture and event planning.
- GitHub Link

Carbon Emission Monitoring System

- Developed a prototype for tracking and predicting carbon emissions across industries using AI-driven analytics to help organizations reduce their environmental footprint by analysis large data sets and using Power BI for visualisation.
- GitHub Link

EDUCATION

Vellore Institute of Technology (VIT)   2022 – 2026
B.Tech in Computer Science   CGPA: 8.19

SKILLS

Business, Product & Data Analysis: Problem framing, Requirements Gathering, Workflow Analysis, Data Interpretation, Insight Synthesis

AI & Technical Foundations: Python, SQL,PowerBI, Machine Learning, Generative AI Systems, Translating Business Problems Into AI Use Cases

Product Execution & Delivery: PRD , Understanding System And Data Flows, Agile/Scrum Collaboration, Jira, Confluence

Analytics & Decision Support: Exploratory Analysis, Identifying Trends And Patterns, Defining Basic Success Metrics, Validating Outputs Against Business Context

Communication & Stakeholder Management: Stakeholder Communication, Client-Facing Documentation, Cross-Functional Collaboration, Translating Technical Insights Into Business Context