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.

- Mapped clinician workflows in time-critical environments to identify operational bottlenecks and decision gaps, turning frontline observations into clear, structured requirements that improved coordination and information flow.

- Partnered with clinicians, engineers, and operations teams to refine triage processes, case-update logic, and task visibility, aligning system behavior with real-world working patterns.

- Synthesized cross-department feedback into concise briefs and documentation that supported rollout decisions and reduced delays in critical communication.

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 market and audience signals across social, news, and industry data to uncover emerging trends shaping small-business behavior and opportunity spaces.

- Contributed to the development of AI-powered tools for analyzing and processing large datasets, using machine learning models to identify key patterns and insights for market forecasting and behavior prediction.

- Collaborated with cross-functional teams to translate AI-driven insights into actionable business strategies, helping refine product development cycles and aligning them with real-world market needs and business opportunities.

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.

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.
- 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, Machine Learning, Generative AI Systems, Translating Business Problems Into AI Use Cases

Product Execution & Delivery: PRD Documentation, 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