

Soumya Maheshwari

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LinkedIn · GitHub · Portfolio

Works close to the code and close to the business. Has shipped early-stage products, built real systems, and operated directly with founders across AI, finance, and product execution.

EXPERIENCE

Komma Financial Technologies - Founder's Office

Nov 2022 – Jan 2024, Gurugram

- Worked directly with early-stage founders to drive day-to-day execution across operations and product, standardizing internal SOPs.
- Owned the translation of business and financial requirements into product flows, collaborating closely with engineers to ship website and internal tool updates.
- Spearheaded a cross-functional team of interns across analytics, marketing, and fintech research, setting workstreams, reviewing outputs, and driving execution against clear deliverables.

BabyKavach - Founder's Office

Jan 2024 – Jan 2025, Gurugram

- Conceptualized and managed the roadmap for components, translating complex health metrics into actionable user insights via React.
- Led the Go-to-Market strategy for the brand's digital presence; managed ad budgets and content operations to drive initial user acquisition and engagement.
- Worked the end-to-end development of the brand website and application, optimizing the User Journey (UX) to serve as the primary lead generation funnel.

PRODUCT PORTFOLIO & TECHNICAL PROJECTS

Eclipsn: Autonomous Personal Knowledge Agent

Nov 2025

- Architected the system into Node.js gateway + Python services, reducing inference coupling and enabling independent scaling of data ingestion and reasoning layers.
- Built a persistent "Long-Term Memory" system using Postgres + pgvector and LangChain, enabling the agent to autonomously update user profiles and extract actionable tasks.
- Implemented enterprise-grade security for Google OAuth 2.0, utilizing AES-256-GCM encryption for token management and Tavily for real-time web intelligence.

Kochi Metro – SIH'25: Intelligent Transit Operations

Sept 2025

- Developed an constraint driven scheduling module for Kochi Metro (KMRL) to automate fleet planning, directly addressing bottlenecks in manual transit management.
- Engineered a predictive algorithm to optimize train induction timings, reducing idle time and improving resource utilization (analogous to yield management).
- Led the transition from problem statement to functional prototype, aligning technical deliverables with government operational constraints.

HFT Back-Testing Engine: XAU/USD Analytics

Aug 2025

- Built a high-performance backtester in Rust, processing 6M+ ticks to validate trading strategies (Scalping, Mean Reversion) with minimal latency.
- Designed a modular strategy framework using YAML configs to simulate real-time risk gates, preventing drawdown in volatile market conditions.
- Developed a pipeline to persist tick-level data, generating P&L/Win-rate dashboards to accelerate strategy iteration.

SKILLS

Finance: Market Risk (VaR), Backtesting, Portfolio Optimization, Monte Carlo, Advance Excel

AI & Data Stack: LLMs (RHFL, Orchestration spec, APIs, OS models, RAG), Computer Vision, VectorDB

Engineering Core: Python, Rust, TypeScript, Next.js, FastAPI, Microservices Architecture, Database design

Tools & Cloud: AWS, GCP, Docker, Figma, Git/CI-CD, Linux/Bash, Postman

EDUCATION

B.Tech(AI/ML), NMIMS MPSTME, Mumbai

2027 (Expected)

MBA(Finance), NMIMS MPSTME, Mumbai

2027 (Expected)