

# Manav Gawas

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## SKILLS & COMPETENCIES

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**Backend & Infrastructure:** Go (Golang), Node.js, Python, Apache Kafka (Redpanda), WebSockets

**Frontend:** Next.js, React.js, Tailwind CSS, Shadcn UI

**Databases & State:** PostgreSQL (Supabase), SQLite, MongoDB

**DevOps & Cloud:** Kubernetes (AWS EKS), Docker, GitHub, Linux, Socket.IO

**AI & Automation:** Goroutines/Concurrency, n8n, Make.com, Voiceflow, Vapi, LLM Orchestration

## ENTREPRENEURIAL & WEB PROJECTS

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**Syncora Systems (AI Voice Infrastructure)** | *Go, Kafka, K8s, Next.js* | [syncora.systems](https://syncora.systems) 2026

- Architecting a highly concurrent B2B Voice AI platform, utilizing Go (Goroutines) to process real-time WebSocket streams, completely bypassing Node.js event-loop bottlenecks.
- Engineered a resilient, event-driven architecture using Apache Kafka to absorb massive inbound call volumes and process asynchronous CRM mutations without degrading core server performance.
- Deployed a containerized, auto-scaling infrastructure via Docker and AWS EKS (Kubernetes), coupled with a real-time Next.js and Supabase (PostgreSQL) dashboard.

**Concurrent Ride-Matching Engine** | *Go, sync.RWMutex, KNN Algorithms* 2026

- Developed a high-performance CLI ride-sharing engine utilizing `sync.RWMutex` for thread-safe state management, enabling concurrent reads during heavy billing calculations.
- Implemented a localized K-Nearest Neighbor (KNN) spatial matching system, resolving classic IEEE 754 floating-point drift to ensure exact financial precision.
- Engineered for absolute system resilience with 100% branch coverage, injecting mock data streams and forcing memory-corruption states during native testing.

**Enterprise AI Agent Deployments** | *n8n, Make.com, Voiceflow, Vapi* 2026

- Designed and deployed production-ready cognitive routing workflows, strictly separating probabilistic conversational AI states from deterministic backend logic.
- Orchestrated mid-call API webhooks and data pipelines using n8n and Make.com for real-time CRM patching (HubSpot/Salesforce), deduplication, and intelligent Cal.com scheduling.

## HACKATHONS & RESEARCH

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**DWLR System Solution (Smart India Hackathon)** | *React, Node.js, Socket.IO, Python ML* 2025

- Built a real-time groundwater monitoring dashboard simulating heavy IoT data ingestion via low-latency Socket.IO pipelines, featuring live streaming, ML forecasting, and rapid-decline alerts.

**Cybersecurity Risk Classification Model** | *Python, Scikit-Learn, Pandas, SMOTE* 2024

- Built and tuned Support Vector Machine (SVM), Random Forests, and K-NN models to classify user cybersecurity risk levels on a custom dataset, achieving ~94% accuracy and 100% high-risk recall.

## WORK EXPERIENCE

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**Web Developer Intern** Jan 2026 – Feb 2026

*Viva Computech* | [viva-computech.onrender.com](https://viva-computech.onrender.com)

- Spearheaded the 0-to-1 development of the company's full-stack business portal, establishing their digital presence and automating client acquisition channels.
- Built and deployed scalable RESTful APIs using Express.js and MongoDB to automate the capture, validation, and storage of customer inquiries, eliminating manual data entry.
- Ensured 100% responsive UI/UX across all devices and successfully managed the production deployment on Render, maintaining optimized load times and high availability.

## EDUCATION

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**SVKM's Mithibai College** 2023 – 2026

*Bachelor of Science – Computer Science*

**Relevant Coursework:** Data Structures, Algorithms, Cloud Computing, Artificial Intelligence

## ACHIEVEMENTS

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- **State Level Athlete (2018):** Secured 3rd place in State-Level Competition in Hurdles and 3rd place in 4x100m Relay.
- **District Level Athlete (2015 – 2019):** Secured 1st place in District-Level Competitions for 3 continuous years.