Rushikesh Gaonkar

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Skills

Languages:	TypeScript, JavaScript, Python, C++, Java, SQL
Frontend:	React, Next.js, Tailwind CSS, Framer Motion, Flutter
Backend & Databases:	Node.js, Express.js, REST APIs, PostgreSQL, MongoDB, SQLite, Turso, Redis
AI/ML:	RAG, LLM Applications, AI Agents, Computer Vision, PyTorch, TensorFlow
Tools:	Git, Docker, Postman, Vercel

Work Experience

Spintly – Software Intern *Aug 2026 – Sep 2026*

- Developed an AI-powered support assistant combining documentation retrieval, database analytics, function calling, SQL generation, and conversational responses.
- Implemented a multi-mode AI router for documentation search, tool calling, database queries, and RAG, using local embeddings and vector similarity for grounded document retrieval.
- Integrated function-based business analytics with dynamic chart generation, allowing users to query and visualize company data through natural language.

Frover – Developer Intern *Jun 2024 – Dec 2024*

- Developed responsive frontend architectures for client-facing software and spearheaded Frover's corporate website, delivering a modern and animated web experience.
- Worked across frontend and backend integration to improve application functionality, data flow, and overall user experience.

GEC AI Innovation Club & GEC Coders' Club, Goa – Projects Coordinator *Aug 2025 – July 2027*

- Spearheaded cross-club technical initiatives, architecting a full-stack ARM Robotics platform that streamlined registrations, fee collection, and event archival workflows.
- Engineered the GEC Coders' Club website and end-to-end event management systems for Technix and Happenings, digitizing registration workflows and reducing manual coordination overhead.

Projects

FIN-TRAIL – Financial Transaction Tracing & Intelligence Platform | Cyber Cell Goa

- Building a financial forensics platform that transforms multi-sheet bank transaction data into an interactive, layered graph to trace fund flows across accounts.
- Implemented Excel data cleaning, duplicate and missing-value handling, data-quality reporting, and heuristic-based detection of transaction inconsistencies.
- Developed account-based navigation and filters to trace fund flows, cash-outs, and frozen, on-hold, and disputed amounts.

AI Support Assistant – Spintly

- Built a conversational AI system combining vector RAG, live database analytics, function calling, SQL generation, and source-grounded responses in a single interface.
- Used local `all-MiniLM-L6-v2` embeddings with 384-dimensional vector search and tool-based analytics that return structured data and chart configurations for automatic visualization.
- *Next.js, React, TypeScript, Groq, Transformers.js, Turso, Recharts*

AI-Based Deepfake Detection Forensic Tool – Goa Police

- Developed the AI component of a dual-modal forensic system for detecting manipulated video and synthetic audio, fine-tuning pretrained video models on the provided dataset for frame-level deepfake detection.
- Integrated a pretrained audio model to identify synthetic and voice-cloned media, extending detection beyond visual manipulation.
- *Python, PyTorch, TensorFlow, OpenCV, Librosa*

Education

Goa College of Engineering, Farmagudi *May 2023 – May 2027*

Bachelor of Computer Engineering

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Databases, Web Development, Artificial Intelligence, Operating Systems, Computer Networks, Machine Learning, Discrete Mathematics

Achievements

8× Hackathon Winner across NIT Goa, GEC, PCCE, DBCE, and other inter-college competitions; **Top 100 Nationwide** in Reimagine Frontend Hackathon; podium finisher at NIT Goa Hackathon and multiple technical competitions.