

LIKHIN M N

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Summary

Aspiring Software Engineer seeking to contribute to a dynamic organization where I can apply my expertise in TypeScript, and Python, build impactful full-stack and AI-integrated projects, and grow as a professional in software development.

Technical Skills

- **Languages:** Python, JavaScript, TypeScript, Rust, SQL, C
- **Frontend:** React.js, Next.js, HTML, CSS, Tailwind CSS, Vite
- **Backend:** FastAPI, Node.js, Express.js, Bun, REST APIs, MCP servers
- **Databases:** PostgreSQL, SQLite, Supabase, Redis, MongoDB
- **Developer Tools:** Git, GitHub, Docker, Linux, Postman, Prisma
- **AI/LLM:** LangChain, LangGraph, Ollama, vLLM

Education

KVG College of Engineering, Sullia, Karnataka

2023–2027

Bachelor of Engineering in Computer Engineering

CGPA: 9.22/10.00

- Awarded 1st Prize at the SPARK 2025–26 Project Exhibition for Grocery Stock and Sales Prediction System.

Projects

Raxios – High-Performance HTTP Client

Rust, Node.js, N-API, TypeScript

- Architected an Axios-compatible HTTP client by fusing a Rust Request core with Node.js through N-API, reaching 3.7K+ npm downloads.
- Constructed a cross-platform networking library with precompiled native binaries for Windows, Linux with zero configuration browser fallback via the Fetch API.
- Delivered up to 1.9x faster request throughput than Axios through a Rust-powered engine while preserving full API compatibility.

SwiftTeX – WebAssembly LaTeX Rendering Engine

Rust, WebAssembly, JavaScript

- Designed a high-performance LaTeX rendering engine in Rust compiled to WebAssembly, reaching 1.9K+ npm downloads for near-native math rendering in browsers.
- Implemented SVG and MathML rendering pipelines with built-in accessibility support.
- Published framework integrations for React, Vue, Svelte, and Web Components through a unified API.

GroSense – Stock and Sales Prediction System

React Native, FastAPI, PostgreSQL, XGBoost

- Launched a full-stack retail platform supporting inventory management, billing, barcode generation, and point-of-sale workflows.
- Established scalable REST APIs with JWT authentication and PostgreSQL to manage products, sales transactions, and real-time inventory.
- Optimized stock replenishment through an XGBoost demand-forecasting pipeline, reducing inventory waste.

Open-Source Contributions

WillDoIt – AI Resume Platform

FastAPI, PostgreSQL, Redis, Qdrant, LangChain

- Engineered the complete backend with FastAPI, OAuth authentication, REST APIs, and Redis workers.
- Integrated LangChain-powered resume parsing, ATS scoring, optimization, and AI cover letter generation.
- Built scalable AI document pipelines using PostgreSQL, Redis, Qdrant, and MinIO.

Token-budget-proxy & FriendChise

Python, FastAPI, Next.js, TypeScript

- Extended an open-source LLM usage proxy with OpenAI-compatible API support and accurate token accounting.
- Diagnosed and fixed an automatic label-loading bug in a multi-tenant SaaS franchise-management platform, improving Next.js client-server synchronization.

Leadership & Involvement

SphereHive – Technical Team Member

2025–Present

- Shipped web, API, and AI features for SphereHive's digital platforms as a technical team member.
- Coordinated HackWise 2.0 operations, supporting 40+ teams through infrastructure and logistics.
- Mentored participants during the JOY University data-centric hackathon, guiding 3LC.ai setup, problem understanding, and model optimization.