

+1 (848) 336-7008  
henilalagiya@gmail.com  
NJ, USA (Open to relocate)

**Henil C. Alagiya**  
Software Engineer | Full-Stack, GenAI

github.com/henilcalagiya  
linkedin.com/in/henilcalagiya  
henilcalagiya.me

**Summary:** MSCS graduate specializing in GenAI engineering, multi-agent architectures, and LLM-powered applications. Proficient in LangChain, LangGraph, Python, FastAPI, and full-stack technologies. Building reliable and scalable AI solutions.

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, JavaScript, TypeScript, SQL

**Frameworks & APIs:** Django, FastAPI, Flask, React, Next.js, Node.js, REST APIs, GraphQL, WebSockets, Tailwind CSS

**LLM & AI:** LangChain, LangGraph, LangSmith, Prompt Engineering, RAG, Embeddings, Vector Databases, Agent Orchestration

**Databases:** Pinecone, FAISS, ChromaDB, PostgreSQL, MySQL, SQLite, MongoDB, Redis

**Python Ecosystem:** uv, pytest, Pandas, NumPy, Selenium, Pydantic, asyncio, FastMCP

**DevOps & Cloud:** Git, Docker, AWS, GCP, CI/CD, Kubernetes

## WORK EXPERIENCE

**Software Engineer** | iTechCloud Solution Pvt. Ltd. | Surat, Gujarat

January 2023 – July 2023

- Delivered Salesforce solutions using LWC, Apex, Flow Builder, and SOQL across 3+ client projects, automating manual processes and streamlining workflows.
- Built an internal quiz application with Lightning Web Components and Apex for streamlining the hiring process.
- Developed complex **automation flows** and Apex triggers with validation logic, eliminating manual operations and ensuring data integrity.
- Authored and executed **50+ test cases** using Apex testing framework, achieving **95% code coverage** and zero critical production bugs.

**Software Developer** | Infycube Solution | Surat, Gujarat

June 2021 – December 2022

- Developed full-stack web applications using React.js, Node.js, Next.js, and Python across multiple client projects.
- Built responsive frontend interfaces and integrated **SQL/NoSQL** databases with **RESTful APIs** for dynamic content management.
- Optimized application performance and implemented modern ES6 features, delivering end-to-end solutions for business requirements.

## PERSONAL PROJECTS

**Apple Notes MCP** | <https://pypi.org/project/mcp-apple-notes/>

- Developed a local MCP server connecting AI assistants with Apple Notes through 14 automation tools.
- Built with Python, **FastMCP**, **Pydantic**, and AppleScript using 3-layer **microservices architecture** and comprehensive testing.
- Published on PyPI with automated CI/CD, achieving **800+ downloads** and production-grade reliability.

**Google Sheets MCP** | <https://pypi.org/project/google-sheets-mcp/>

- Built a local MCP server that connects AI assistants to Google Sheets, supporting 25+ custom automation operations.
- Implemented using Python, Google APIs, **FastMCP**, and service account authentication with modular microservice architecture and **Pydantic** validation.
- Deployed production-ready Python package to PyPI with automated CI/CD workflows, achieving **2000+ downloads**.

**QuantBot – Quantitative Trading System** | <https://github.com/henilcalagiya/quantitative-trading-bot>

- Engineered a quantitative trading platform processing real-time market data with sub-second latency.
- Built with Python, **Pandas**, **NumPy**, SQLite, and WebSocket APIs using event-driven microservices.
- Implemented financial technology best practices, including **OAuth 2.0 authentication** and risk management protocols.

**QuickTrade – One-Click ATM Options Trading Portal** | <https://quicktrade-9zj5.onrender.com>

- Developed an At-the-Money options trading platform with a unified interface and one-click order placement.
- Implemented using **Django**, Python, and Bootstrap with full-stack **MVC architecture** and real-time updates.
- Applied enterprise development standards, including **CSRF protection** and comprehensive error handling.

## EDUCATION

**Master of Science, Computer Science**, New Jersey Institute of Technology (NJIT)

September 2023 – May 2025

**Bachelor of Engineering, Computer Engineering**, Gujarat Technological University (GTU)

June 2019 – May 2023