

## Professional Summary

Algorithmic Trading Developer with **2+ years of experience** building low-latency, multi-threaded Python systems for real-time market data processing and automated trading. Experienced in designing, backtesting, and deploying systematic options and futures strategies with end-to-end execution, risk management, and monitoring, achieving **sub-100ms execution latency and 99.9% uptime**. Seeking backend, quant, or trading engineering roles focused on scalable real-time systems and automation.

## Areas of Expertise

**Programming & Databases:** Python, SQL, Flask

**Quant & Trading Systems:** Backtesting, Risk Management, Options & Futures Trading, Market Data Processing

**Real-Time & Backend:** WebSockets, REST APIs, Multithreading, Event-Driven Systems, Low-Latency Applications

**Data Analysis:** Pandas, NumPy, Power Query, Advanced Excel

**Data Visualization:** Power BI, Tableau, Matplotlib

**Development & AI Tools:** Gemini CLI (Antigravity), Prompt Engineering, Automation

## CORE COMPETENCIES

Analytical Thinking, Problem Solving, Strategic Planning, Communication, Collaboration

## Experience

Algorithmic Trading Developer — UVFarms

Nov 2023 – Present | Remote

- Engineered low-latency Python trading framework processing real-time WebSocket data for NIFTY and SENSEX derivatives, achieving sub-100ms execution and 99.9% uptime across live trading days.
- Designed and deployed 6+ algorithmic strategies using VWAP, SuperTrend, Parabolic SAR, CPR, and ATR indicators across 1–5-minute timeframes.
- Automated trade execution via Dhan and Flattrade APIs, reducing manual intervention by 95% and eliminating order placement errors.
- Built real-time monitoring dashboards tracking P&L, drawdown, and risk metrics with automated alerting.
- Developed backtesting framework with historical data validation and performance analytics for pre-deployment strategy optimization.
- Designed and deployed company website (uvfarms.in) using Next.js and AI-assisted development (Gemini CLI).

## Projects

Super SAR Option Scalping — Production Trading System

Dec 2025 – Present | UVFarms

- Architected and deployed Super-SAR-Option v6.0, a production-grade multi-threaded algorithmic system for live NIFTY/SENSEX options trading with independent Flask dashboard, 1-second trading loop, and 5-second indicator sync for minimal latency.
- Engineered rule-based strategy combining Heikin Ashi momentum, Parabolic SAR, SuperTrend (dual timeframes), and VWAP with market structure analysis for peak/valley identification and dynamic resistance filtering.
- Built end-to-end backtesting and paper-trading pipeline with automated ATM strike selection, 10-point targets, 30-point stops, and validation across volatility regimes before live deployment.
- Developed real-time monitoring dashboard with live P&L tracking, signal timestamps, API latency metrics, and system health alerts for rapid decision-making.

NanoProfits AI — Options Nano-Scalping Engine

Sep 2025 – Dec 2025 | UVFarms

- Designed multi-threaded algorithmic trading engine processing real-time WebSocket market data with sub-100ms execution latency and 99.9% uptime during market hours through automated monitoring and recovery mechanisms.
- Engineered PostgreSQL connection-pooled data layer for high-throughput tick-level logging, ensuring 100% data persistence for trade auditing and post-trade analytics.
- Built pullback-based scalping strategy using resampled 3-min/5-min OHLC with VWAP, SuperTrend, and ATR indicators, incorporating volatility-adjusted exits and dynamic position sizing for improved risk control.

- Developed HTML monitoring dashboard tracking system health (RAM, disk, network, latency) and implemented dual-layer authentication JWT for uninterrupted API token management.

#### **UVFarms Official Website — AI-Assisted Web Development**

UVFarms

- Designed and developed responsive multi-page business website showcasing 9 agri-tech verticals including hydroponics, AI/IoT solutions, and investment opportunities with modern UI/UX and cross-device compatibility.
- Leveraged Gemini CLI (Antigravity) for AI-assisted development workflow, utilizing prompt engineering for rapid prototyping, content generation, and design optimization from concept to production.

**Tech:** Next.js, React, Gemini CLI (Antigravity), Responsive Design, Prompt Engineering

**Live:** [uvfarms.in](https://uvfarms.in)

#### **Education**

**SRM Institute of Science and Technology** — Chennai, India

Bachelor of Commerce (Information Systems Management) | Jan 2021 – May 2023

CGPA: 7.83/10.0

**Coursework:** IBM SPSS Statistics, MS Office Automation, Principal of management-NPTEL

#### **Certifications**

**Finance & Analytics:** Goldman Sachs Controllers Simulation (Forage, 2026) • Deloitte Data Analytics Simulation (Forage, 2025) • Accenture Data Analytics & Visualization Simulation (Forage, 2024)

**Technical:** SQL (Basic) - HackerRank • Advanced Excel - Internshala • Data Analysis with Excel - Coursera • Microsoft Copilot for Productivity.