

Mitali Manojkumar Deshmukh

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EDUCATION

University of California - Irvine

Master's, Computer Science; GPA: 4.0/4.0

December 2025

Irvine, CA

Savitribai Phule Pune University

Bachelor's, Computer Engineering; GPA: 3.7/4.0

August 2021

India

SKILLS

Languages: C#, Python, Javascript (ES6+), Typescript, GraphQL, SQL, HTML, CSS, SASS

Frameworks: Microsoft .NET Framework, Next.js, React.js, Redux, Node.js, Express.js, React Native, .NET

Tools: Git, Jest, React Testing Library, Docker, Azure, Figma

EXPERIENCE

Software Developer

August 2021 - August 2024

FinIQ Consulting Pvt. Ltd.

India

- Developed and maintained trading dashboards with C#, .NET Core and React used by more than 50 financial institutions worldwide to monitor and execute trades.
- Led modernization of legacy UIs to React using Typescript, coordinating work across a six person team and contributing to several client upgrade projects.
- Built RESTful .NET Core microservices in C# supporting order management workflows processing hundreds of trades daily.
- Owned end to end delivery of a mobile trading POC by wireframing flows, designing screens, and building a React Native interface that consumed REST and WebSocket feeds streaming 600+ Forex updates/sec
- Cut pricing time from 5 minutes to under 1 minute by building a pricing interface using React + Redux to compute multiple scenarios in parallel.
- Accelerated prototyping and demo setup by building Python tools to simulate trading activity and lifecycle events.
- Improved failure traceability by building Node.js middleware proxy, handling routing, logging, and monitoring for 1000+ daily API calls.
- Wrote comprehensive unit and integration tests using Jest and React Testing Library, improving reliability and reaching 90%+ coverage.

Intern

May 2020 - June 2020

FinIQ Consulting Pvt. Ltd.

India

- Implemented GraphQL schemas and resolvers in .NET (Hot Chocolate) consolidating 10+ REST APIs.
- Simplified debugging workflows by building D3.js visualizations of trade lifecycle states, replacing manual database queries with interactive, visually driven tools.

PROJECTS

Multi-Agent Stock Picker | LangGraph, Groq LLaMA, MCP Tools, Python, FastAPI

Nov 2025

- Generated actionable short term trading ideas by building a multi agent LLM system using Groq LLaMA that combines market data, news sentiment, and supervised decision logic.
- Improved recommendation quality by coordinating four specialized agents that screen stocks, analyze technical indicators, summarize news, and produce Buy, Sell, or Hold outputs.
- Increased accuracy and context depth by integrating live market data and news feeds through Bright Data MCP tools.

Cryptocurrency Trading Engine | Python FastAPI, Next.js, Tailwind CSS, PostgreSQL

May 2025

- Built a full stack automated trading platform that executes trades based on real time sentiment analysis, improving adaptability to fast changing conditions in crypto markets.
- Used FinBERT NLP model to analyze sentiment from Reddit and financial news, driving live trade logic through FastAPI based microservices and dynamic risk signals.
- Developed a Next.js dashboard for live portfolio monitoring, backtesting and manual override of automated trade flows.