

# Mitali Manojkumar Deshmukh

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## EDUCATION

<b>University of California - Irvine</b>	December 2025
<i>Master's, Computer Science; GPA: 4.0/4.0</i>	<i>Irvine, CA</i>
<b>Savitribai Phule Pune University</b>	August 2021
<i>Bachelor's, Computer Engineering; GPA: 3.7/4.0</i>	<i>India</i>

## 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

<b>Software Developer</b>	<b>August 2021 - August 2024</b>
<i>FinIQ Consulting Pvt. Ltd.</i>	<i>India</i>
<ul style="list-style-type: none"><li>Developed and maintained trading dashboards with C#, .NET Core and React used by more than 50 financial institutions worldwide to monitor and execute trades.</li><li>Led modernization of legacy UIs to React using Typescript, coordinating work across a six person team and contributing to several client upgrade projects.</li><li>Built RESTful .NET Core microservices in C# supporting order management workflows processing hundreds of trades daily.</li><li>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</li><li>Cut pricing time from 5 minutes to under 1 minute by building a pricing interface using React + Redux to compute multiple scenarios in parallel.</li><li>Accelerated prototyping and demo setup by building Python tools to simulate trading activity and lifecycle events.</li><li>Improved failure traceability by building Node.js middleware proxy, handling routing, logging, and monitoring for 1000+ daily API calls.</li><li>Wrote comprehensive unit and integration tests using Jest and React Testing Library, improving reliability and reaching 90%+ coverage.</li></ul>	
<b>Intern</b>	
<b>May 2020 - June 2020</b>	

<i>FinIQ Consulting Pvt. Ltd.</i>	<i>India</i>
<ul style="list-style-type: none"><li>Implemented GraphQL schemas and resolvers in .NET (Hot Chocolate) consolidating 10+ REST APIs.</li><li>Simplified debugging workflows by building D3.js visualizations of trade lifecycle states, replacing manual database queries with interactive, visually driven tools.</li></ul>	
<b>PROJECTS</b>	

<b>Multi-Agent Stock Picker</b>   <i>LangGraph, Groq LLaMA, MCP Tools, Python, FastAPI</i>	Nov 2025
<ul style="list-style-type: none"><li>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.</li><li>Improved recommendation quality by coordinating four specialized agents that screen stocks, analyze technical indicators, summarize news, and produce Buy, Sell, or Hold outputs.</li><li>Increased accuracy and context depth by integrating live market data and news feeds through Bright Data MCP tools.</li></ul>	
<b>Cryptocurrency Trading Engine</b>   <i>Python FastAPI, Next.js, Tailwind CSS, PostgreSQL</i>	
<ul style="list-style-type: none"><li>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.</li><li>Used FinBERT NLP model to analyze sentiment from Reddit and financial news, driving live trade logic through FastAPI based microservices and dynamic risk signals.</li><li>Developed a Next.js dashboard for live portfolio monitoring, backtesting and manual override of automated trade flows.</li></ul>	
<b>May 2025</b>	