

Aman Wadgaonkar

Software Developer

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in Aman Wadgaonkar

Portfolio Website

Education

MIT Academy of Engineering, Pune

B.Tech in Computer Science and Engineering

Aug 2021 – Present

Technical Skills

Languages/Tools: C++, Python, JavaScript, HTML, SCSS, SQL, Git, GitHub, Linux, Docker, Kubernetes

Frameworks/Libraries: ReactJS

Cloud/DevOps: AWS (EC2, S3, VPC), Infrastructure as Code

Concepts: OOPS, SDLC, Agile

Internship

Software Development Intern — Mobirey

March 2025 – July - 2025

Data Scraping, React, FastAPI, Option Strategies, Technical Analysis, PostgreSQL

- Fetched U.S. stock market financial data using SEC EDGAR APIs for fundamental analysis.
- Performed technical analysis using TA-Lib to compute indicators such as RSI, MACD, and Bollinger Bands.
- Developed a simple UI to retrieve 10-K report URLs by stock ticker and automate the analysis workflow.
- Retrieved options chain data and implemented 10 options trading strategies, including long call and iron condor.
- Calculated strategy-wise profit and loss (PnL) based on market data and contract parameters.
- Built a React-based frontend with a FastAPI backend to visualize options strategies, PnL and key financial data interactively.
- Developed and maintained scripts to compute and update option Greeks (Delta, Gamma, Theta, Vega) and trading volume from live market data streams.

Product Management Intern — Preskilet Edtech

Jun 2022 – Sept 2022

Market Research and Analysis, User Experience and Feedback, Cross-Functional Collaboration, Technical Documentation, Scrum, Problem Solving

- Conducted market research and analyzed trends to guide product decisions.
- Collected and synthesized user feedback to refine product features and UX.
- Collaborated with cross-functional teams to align engineering with business goals.
- Created and modified analytics dashboards to support strategic insights.

Projects

Cloud-Based Super Car E-Commerce Website



AWS, CI/CD, Infrastructure as Code

- Launched e-commerce site using S3, CloudFormation, EC2, Auto Scaling, and ALB.
- Built CI/CD pipeline with CodeCommit, CodeBuild, CodeDeploy, and CodePipeline.
- Designed secure VPC architecture with tiered subnet configuration.

Stock Sage - Stock Analysis tool



ReactJS, FastApi, Web Scraping, Technical Analysis

- Built an AI-powered stock analysis platform with real-time sentiment analysis, personalized recommendations, and options PNL strategies using React, FastAPI, and MongoDB.
- Integrated real-time data feeds from multiple exchanges and news APIs to assess risk, perform fundamental analysis, and use technical indicators (like RSI, MACD, Bollinger Bands) to generate actionable buy/sell signals and optimize portfolios.
- Designed a user-friendly experience with secure login/register functionality, delivering smart data-driven insights to help users make confident trading decisions.

Role-Based Access Control (RBAC) Blog App



NextJS, MongoDB, Prisma

- Built Admin Dashboard with full user, role, and permission management.
- Implemented CRUD operations and dynamic routing for user-specific content.
- Integrated MongoDB and Prisma for efficient data operations and schema control.

Leadership Experience

Team Lead, Finance — E-Cell, MITAOE

Aug 2023 – May 2025

- Organized entrepreneurial games and events with efficient team coordination.

Coordinator — Institute Innovation Council, MITAOE

Nov 2023 – May 2025

- Coordinated industrial visits and informative sessions for student development.

Certifications

- AWS Academy Cloud Foundations – AWS Academy
- AWS Academy Cloud Architecting – AWS Academy
- AWS Academy Data Engineering – AWS Academy
- Red Hat System Administration I (RH124) – Red Hat Linux