

Vishal M

[Portfolio](#) • [GitHub](#) • [LinkedIn](#) • [Twitter](#) • vishal.maheshofficial@gmail.com

EDUCATION

B.Tech. Computer Science and Engineering - AI & Data Engineering, Lovely Professional University

Expected 2026

SKILLS

Technical Skill	JavaScript, TypeScript, Python, Java, Go, Reactjs, Nextjs, Nodejs, Express, Flask, HTML, CSS, Tailwind, DSA, Prisma, WebSockets, TanstackQuery, RPC, Scikit-learn, NumPy, Pandas, Data Engineering & Automation tools
Cloud/DB's	Postgresql, MongoDB, Redis, AWS, Azure, Kubernetes.
Tools	Docker, CI/CD, GitHub Actions, NGINX, Motion, GSAP (Animation), Figma.
Soft Skills	Effective Communication, Critical Thinking, Problem Solving, Collaborative Teamwork.

EXPERIENCE

AlphaKraft | Options Trading Platform - Software Developer Intern

Oct 2024 - Dec 2024

- Developed the entire frontend system from scratch, following best practices for performance, scalability, and maintainability.
- Integrated real-time options trading with WebSockets for seamless live data streaming and updates.
- Implemented robust state management to handle real-time trades and complex workflows efficiently.
- Designed and translated Figma designs into a pixel-perfect, responsive user interface to boost user retention by 50%.
- Collaborated with the founder to design and integrate APIs using Node.js and Go, optimizing user onboarding and data streaming.

Futureense | Data Science Intern

Jun 2024 - Aug 2024

- Built machine learning models (Random Forest Classifier) to predict user success rates with 94% accuracy.
- Conducted Exploratory Data Analysis (EDA) on the organization's primary US-pathway dataset, analyzing up to 8 tables.
- Analyzed employee work success rates, implementing strategies that boosted productivity by 70%.
- Proposed effective solutions to improve user retention in webinars, increasing lead conversion rates from 10% to 50%.
- Identified the most effective marketing platforms and optimal timings, leading to a ~50% increase in webinar sign-ups.
- Developed data visualizations using Power BI and Python, presenting critical insights to stakeholders for decision making.

Toillabs | Frontend & UI/UX Intern

Apr 2024 - May 2024

- Collaborated with the founder to design and develop the frontend of their agency's website. Enhanced user experience and retention by 80% through creative UI and improved responsiveness with micro web animations.

PROJECTS

Quillfox | A conversational PDF tool [GitHub](#) [Live](#)

- Built RAG system enabling users to have interactive conversations with PDFs using OpenAI and Gemini's API.
- Implemented infinite scrolling and optimistic UI for seamless message fetching, significantly reducing initial load time and enhancing user experience.
- Tech Stack: Next.js, React.js, TypeScript, tRPC, Prisma, Postgresql, LangChain, Pinecone (vector database), TailwindCSS.

Wroom | Hackathon Project [GitHub](#)

- Implemented an AI-powered WhatsApp bot that provides users with a list of nearby washrooms and locations.
- Developed an ML-powered washroom finder that analyzes pictures for cleanliness and type, helping users find nearby, clean washrooms in exchange for shop visits.
- Designed and developed the entire user system from scratch with OAuth for secured authentication.
- Integrated Google Maps API, Geocoding, and markers to locate washrooms within the vicinity.
- The idea focuses on boosting in-store purchase probability by 40% by attracting customers to registered shops through the app.

SkillSphere | Educational Platform [GitHub](#)

- Developed an end-to-end educational platform where teachers can sell courses, manage content, and interact with students.
- Implemented features for course creation, chapter management, and student reviews and payment gateway.
- Tech Stack: Next.js, React.js, TypeScript, tRPC, Prisma, PostgreSQL, TailwindCSS.

Portfolio | Personal portfolio [Live](#)

- Crafted an engaging portfolio in just 2 days, attracting 15k+ visitors, receiving widespread appreciations for UI/UX and interactivity. Developed a real-time user count feature and a chat system for users to communicate using Websockets. Integrated Discord API to fetch real-time and display my live work status directly on the portfolio UI with instant changes.