Mustafa Yusuf

+916352074646 ● Chandigarh, India ● mustafa.yusuf.mohd@gmail.com ● Github

SUMMARY

Full-stack developer with strong web engineering experience and applied AI/ML skills. Experienced in building **scalable web platforms, real-time trading systems, and AI-assisted automation tools**. Quick to learn new technologies and adapt solutions for real-world problems, delivering measurable impact across product, data, and cloud systems.

EDUCATION

CGC University | Major: Bachelor of Technology in AI & ML   2022 - 2026
CGPA: 8.3/10

SKILLS

- **Programming Languages -** JavaScript, SQL, TypeScript, C++, Python, C
- **Frameworks/Libraries/Software -** React, Next.js, Django, Express.js, FastAPI, Pandas, NumPy, TensorFlow, PyTorch, BeautifulSoup, Material-UI, Redux, Recharts
- **Database/Cloud/DevOps/Tools -** Git, GitHub, GitHub Actions, Docker, Kubernetes, AWS (EC2, S3, Lambda), MySQL, MongoDB, Redis, Linux, REST APIs, WebSocket, Postman, Nginx, PM2, VS Code, Tableau

EXPERIENCE

Incubated Startup Developer   Jan. 2025 - Present
StocML | Chandigarh, India

- Built full-stack trading platform using Next.js and Express.js, delivering real-time trade data through WebSocket infrastructure and interactive user experiences.
- Developed blockchain verification system with Ethereum smart contracts, eliminating trading fraud and ensuring 94.2% verification accuracy with zero manipulation risk.
- Architected scalable cloud infrastructure on AWS with CI/CD pipelines and optimized database performance, enabling phased deployments and supporting 10x user growth.
- Implemented automated copy trading with sub-second execution delays and real-time portfolio tracking, enabling seamless trade replication without manual intervention.

Freelance Full-Stack Developer   Sept. 2025 - Oct. 2025
Jewellery Book | Bangalore, India

- Engineered end-to-end jewelry billing and rate-management system handling 500+ daily transactions.
- Integrated Google Gemini LLM via a custom tool-calling pipeline, improving billing efficiency by 40%.
- Built hybrid AI pipeline combining local parsing with cloud LLM fallback, maintaining privacy with on-device SQLite storage.
- Implemented real-time GST analytics, automated backups, and customer history tracking, supporting 1000+ concurrent invoices.

PROJECTS

FluxTrade | Next.js, Python, MongoDB, AWS

- Built a high-frequency trading analytics platform that delivers real-time market intelligence by processing over 1 million price and order flow data points daily.
- Automated 10,000+ daily data ingestion tasks using scalable cloud pipelines, enabling low-latency analytics and eliminating the need for manual data wrangling.
- Integrated advanced visualizations and news aggregation features, cutting research time for traders by 40% and accelerating intra-day decision-making.

Option Chain Viewer | Python, React, Machine Learning

- Developed and deployed ML models (Random Forest, LSTM) to predict option price movements, improving directional accuracy by 22% using historical chain data and volatility trends.
- Designed a live analytics engine that processes 100K+ option records per day and surfaces actionable "spike risk" alerts and confidence scores.
- Improved trader engagement by 35% by combining predictive insights with a real-time, user-friendly frontend.

ACHIEVEMENTS

- Secured 2nd Rank in the Web Development Workshop, CGC University Mohali, out of 500+ students.
- Attained a top rating of 1812 on LeetCode contests.
- Finalist at Competitive Coding Event at D4-Hackathon by D4 Community.

CERTIFICATES

Software Conceptual Design, **Indian Institute of Technology Bombay**   Oct. 2023
Generative AI Intensive Course, **Google x Kaggle**   Jan. 2025