

MD MUSTAFA YUSUF

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SUMMARY

AI & ML student pursuing a B.Tech at Chandigarh Engineering College, Mohali, with expertise in algorithm design, statistical analysis, and problem-solving. Built an AI-driven HFT model and a financial insight app during an IBM SkillsBuild internship. Fast learner with a growth mindset, eager to make an impact.

EDUCATION

Bachelor of Technology in AI & ML

Chandigarh Engineering College, Mohali

SKILLS

- **Languages** - C++, Python, C, OCaml, JavaScript, SQL, TypeScript
- **Technologies** - HTML, CSS, MySQL, WebSocket, REST APIs
- **Tools** - Git, Linux, Windows, Tableau
- **Frameworks** - Django, Next.js, React
- **Libraries** - Pandas, TensorFlow, PyTorch, NumPy, BeautifulSoup, Material-UI, Redux, Recharts.
- **Soft Skills** - Verbal Communication, Written Communication, Active Listening, Presentation Skills, Decision-making, Critical Thinking, Problem-solving, Adaptability, Emotional Intelligence.

PROJECTS

High-Frequency Trading (HFT) AI Dashboard | Next.js, Python

- Developed an AI-powered HFT dashboard leveraging Next.js for real-time market data visualization and WebSocket streaming, enabling instant trade execution insights.
- Implemented transformer-based time-series forecasting and reinforcement learning models, enhancing trade accuracy through predictive order flow analysis.

IPO Listing Price Predictor | Python, React, ML

- Engineered a full-stack web application using Python, React, and machine learning to predict IPO listing prices by analyzing market sentiment and historical data, empowering investors to make informed decisions.
- Integrated GNews API for real-time market sentiment analysis and developed a machine learning model trained on historical IPO data, resulting in accurate price predictions.

EXPERIENCE

IBM SkillsBuild AI & Cloud Intern

Jun. 2024 - Jul. 2024

- Completed a 4-week IBM SkillsBuild internship, gaining hands-on experience in AI, cloud computing, and data analytics while developing a real-world project leveraging IBM Cloud and emerging technologies.

CERTIFICATES

Software Conceptual Design - NPTEL (IIT Bombay)

Google x Kaggle Gen AI Intensive Course

KEY COURSES

Data Structures and Algorithms (DSA), Discrete Mathematics, Probabilistic Mathematics, Statistical Computation using R, Big Data Analytics