

Abdulmalik Alossimi

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PROFILE

Senior Computer Science student with a strong foundation in **computer science, problem-solving, and analytical thinking**. Experienced in developing **algorithmic trading systems** and optimizing **automated trading strategies** for performance and efficiency. Currently seeking a **co-op opportunity** to apply my expertise in a practical setting.

EDUCATION

Bachelor's of Computer science

King Saud University

08/2021 – present

Riyadh, Saudi Arabia

- GPA 4.58/5

PROFESSIONAL EXPERIENCE

Co-founder & Lead Developer

Selfemployed (MomentumX)

05/2023 – present

riyadh, Saudi Arabia

- Designed and implemented **automated trading algorithms** integrated with **Brokers APIs**, executing real-time trades based on predefined strategies.
- Built a robust **data pipeline** to fetch, clean, and analyze historical and live market data.
- Engineered a **scalable backtesting framework** to evaluate strategies across various market conditions.

Tech Stack: Python, Pandas, SQL, Alpaca API, Power BI, AWS, Matplotlib

PROJECTS

Voyager (LLM for Career Paths) 🔗

- Processed and refined over **100,000+ rows** of diverse career-related data.
- Designed and implemented a **relational database schema** using MySQL and hosted on AWS.
- **Oversaw** web app development and the technologies used.

Tech Stack: Python, MySQL, AWS, Pandas, SQLAlchemy

Tiingo Fetcher – Open-Source Python Package 🔗

- Developed and published a **Python package** that enables fetching **up to 9 years of historical stock data** from the Tiingo API.

Tech Stack: Python, Pandas, Requests, API Integration, PyPI Packaging, Open-Source Development

CERTIFICATIONS

Misk Launchpad (CTO) 🔗

- Collaborated with mentors to refine our **start-up** into a scalable and market-ready solution.

Mustshar accelerator 🔗

- Strengthened skills in **Problem-solving, Stakeholder management, and communication**.

SKILLS

Problem solving

Principles of Database Design

Leadership

Financial Data Analysis and Modeling

Programming

Effective Communication

OOP and procedural programming

LANGUAGES

Arabic

English