MOHAMMED SHEHAB

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EDUCATION

Algonquin College | Expected Graduation, 2026
Computer Programming Diploma | *Ottawa, ON*

TECHNICAL SKILLS

Tools and Platforms: VMware, Excel, Docker, Android Studio, Linux, Debian, Oracle, Git
Languages: HTML, CSS, JavaScript, Python, Java, MySQL, Lua, PostgreSQL, COBOL
Frameworks: ReactJS, Spring Boot, Flask, Scikit-learn, Pandas, Matplotlib

EXPERIENCE

Footwear Sales Associate | July, 2022 – April, 2023
SAIL | *Ottawa, ON*

- Assisted customers with **footwear selection**, managed inventory, and ensured excellent customer service
- Achieved sales targets by providing **tailored product recommendations** based on customer needs
- Conducted regular **inventory checks** to ensure stock availability and accurate records
- Trained new staff on **sales techniques and store policies**, improving team efficiency

PROJECTS

BullBearAI | *Python, Scikit-learn, Pandas, Matplotlib*

- Designed a machine learning application to **forecast stock price movements** using historical financial datasets of **5,000+ records**
- Implemented **data preprocessing pipelines** for cleaning, normalization, and handling missing values, improving dataset quality by **15%**
- Trained and evaluated predictive models using **Scikit-learn**, achieving an initial accuracy of **72%** on validation data
- Planned integration of a **simple user interface** for selecting stock ticker symbols and visualizing prediction outputs to enhance usability

Honeypot Network Security Monitor | *Python, Flask, Socket Programming*

- Developed a **security honeypot** that emulates **6+ network services** (SSH, HTTP, FTP, Telnet, MySQL, Redis) to detect and log unauthorized connection attempts in real-time
- Built a **web dashboard** using Flask to visualize connection statistics, track IP addresses, and monitor attack patterns; implemented auto-refresh functionality for live updates
- Implemented **multi-threaded socket servers** with configurable port bindings and service handlers; designed JSON logging system to capture connection metadata and data payloads
- Created comprehensive **configuration management** system allowing dynamic service enablement/disablement and port customization without requiring administrative privileges

Inventory Management System | *Java, MySQL*

- Developed a **role-based inventory management platform** enabling product tracking, updates, and database synchronization using **JDBC and MySQL**
- Implemented **admin-restricted CRUD operations** while enforcing view-only access for regular users to simulate real-world permission control
- Demonstrated initiative by independently designing **secure data handling workflows** and SQL integration without direct enterprise resources

CERTIFICATIONS

- **Emergency Aid and CPR Certification** – Trained in basic life support, CPR techniques, and first-response procedures
- **Worker Health and Safety Training** – Gained knowledge in hazard prevention, safety compliance, and emergency protocols in professional settings