HARSH KESHRUWALA

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Skills

Languages:	C++, C, Java, Python, SQL
Databases:	MySQL, PostgreSQL, Microsoft SQL Server, MongoDB, Oracle, Apache Hadoop
Web Development:	HTML, CSS, JavaScript, React, Django
Libraries & Frameworks:	NumPy, Pandas, Python, R, Docker, Firebase Analytics
Machine Learning & AI:	TensFlow, Keras, OpenCV
Testing Tools	Jasmine, Flutter Drivers, Selenium, UI Automator, JMeter, Appium
Tools/Version Control:	Jupyter Notebook, Visual Studio Code, PyCharm, Eclipse, Docker, Microsoft Office, Figma, JIRA, Trello, Git, Android Studio, XCode, Android SDK, SDLC (Agile)

Education

University of Windsor, Masters of Applied Computing	May 2022 – Aug 2023
Parul University, Bachelors of Technology (in Computer Science & Engineering)	Jun 2017 – May 2021

Projects

Blockchain-based Supply Chain Tracker Web Application   Project Link

Technologies Python, Flask, HTML, CSS, JS (Jinja templating), Docker

- Designed and developed a secure, blockchain-powered Supply Chain Tracker Web App using Python and Flask, enabling transparent batch tracking, auditable ownership transfer, and immutable ledger of all actions.
- Implemented full transfer request with admin-controlled approval/denial flow, batch ownership validation, concern management, and verifiable batch history leveraging append-only blockchain architecture.
- Achieved Dockerized deployment with comprehensive unit tests for user/admin features, ownership integrity, and blockchain validation; integrated role-based access control and persistent data volume management.

PyRedis – Lightweight In-Memory Key-Value Store   Project Link

Technologies Python, Flask, Docker, HTML/CSS, argparse, requests

- Designed and implemented a Redis-inspired key-value store with TTL support, disk persistence, and a Flask-based web GUI.
- Developed modular CLI and GUI interfaces for data interaction; integrated persistent JSON storage and unit testing for reliability.
- Containerized the full application using Docker for seamless deployment and local testing.

Amazon Clone E-Commerce Web Application   Project Link

Technologies JavaScript ES6, HTML5, CSS3, DOM Manipulation, Web APIs, Front-End Development

- Engineered a fully functional Amazon-inspired e-commerce platform implementing responsive design principles and interactive UI components.
- Implemented client-side data persistence using Web Storage API and JSON data structures, enabling seamless user experience with cart items maintained between sessions.
- Built a modular JavaScript architecture following MVC design pattern, separating data models, view rendering, and controller logic for improved maintainability and code organization.
- Created real-time UI updates through event-driven programming and asynchronous JavaScript techniques for cart quantity indicators and product availability.
- Incorporated e-commerce functionality including shopping cart management, checkout process simulation, and order confirmation system

Certifications

Complete Python Course | Pierian Training (Udemy)   Certification Link

Gained practical experience in writing efficient Python code using OOP, error handling, decorators, and real-world projects.

Master C++ | Byteboard (Udemy)   Certification Link

Learned advanced C++ concepts, including object-oriented programming, data structures, and memory management. Gained hands-on experience with problem-solving techniques and efficient algorithm design.

Machine Learning | Coursera   Certification Link

Learned fundamental ML concepts, including supervised and unsupervised learning, regression, classification, and neural networks

Soft Skills

- Excel at explaining complex ideas clearly and leading teams towards achieving project goals with a collaborative approach.
- Proficient in identifying challenges and innovating solutions to enhance efficiency and effectiveness in projects.
- Quickly adjust to new technologies and shifting project demands, ensuring consistent performance in dynamic environments.
- Dedicated to promoting inclusivity and understanding diverse perspectives, enhancing team cohesion and customer engagement.