Ali Akbar

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Profile

Engineering student learning software development through hands-on projects. Primary experience with Django-based web applications, focusing on understanding frameworks, data modelling, and a clean project structure. Interested in gradually moving toward research-oriented automated software, Quantum computation and machine learning systems.

Core Project

MeltnMunch — A simple E-Commerce platform *Django, Python, SQLite* *Solo Project*

- Built a functional e-commerce web application covering user accounts, product listings, cart management, and admin controls.
- Used Django's Model–Template–View architecture to organize backend logic and frontend rendering.
- Implemented user authentication and session handling using Django's built-in tools.
- Designed basic relational models for users, products, carts, and favorites using Django ORM.
- Integrated image uploads and static file handling for product media.
- Focused on clarity, maintainability, and learning core Django concepts rather than feature complexity.

Introductory Quantum Circuit using Qiskit
Python, Qiskit

- Implemented a minimal quantum circuit to explore foundational quantum computing concepts.
- Initialized a single-qubit system and applied **NOT (X)** and **Hadamard (H)** gates.
- Observed state vector changes and measurement outcomes to understand superposition and basis states.

Technical Skills

Programming
Python

Frameworks & Tools
Django, Django ORM, Git, SQLite, Qiskit(basic)

Concepts
Basic web application architecture, authentication flows, relational databases

Soft Skills & Languages

- Comfortable reading technical documentation and learning independently.
- Adaptive and detail-oriented approach to problem solving.
- Languages: English (fluent), German (working proficiency), Russian (basic proficiency).

Education

Bachelor of Engineering
Computer Science Engg. in AI and ML (Ongoing)

Current Direction

Building a foundation in backend systems while gradually exploring quantum computing and machine learning from first principles.