

Reham Hatem

Junior Software Engineer

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PROFILE

Junior Software Developer with experience in full-stack web & mobile & AI development. Enthusiastic, detail-oriented, and eager to grow within a collaborative and innovative team.

EDUCATION

Bachelor Degree

Cairo University
Computer Science and Artificial Intelligence (AI Department)

2020 - 2024
Giza , Egypt

COURSES

Flutter Development Diploma

Route IT Center

Full Stack PHP Web Development

currently ITI Trainee

March 2025 - now

Machine Learning , Deep Learning , Supervised Unsupervised Reinforcement Learning

Coursera

SKILLS

Technical skills

- Dart programming language
- OOP
- Design pattern
- Bloc - Provider
- StateManagement
- MVVM - Clean Architecture
- API's
- GoogleMaps
- Fire base
- Git - GitHub
- Jira
- Hive
- SharedPreference
- payment integration
- HTML - CSS - JavaScript
- Bootstrab - Angular
- MySQL database - Mongo DB - Linux
- Python -Tensorflow - keras - Supervised Learning - Unsupervised Learning - Reinforcement Learning
- Problem Solving Skills (LeetCode)

Personal skills

- Team Work
- Creativity
- Work under stress
- Learning Flexibility

PROJECTS

Trade Mate

Inventory Management Mobile App

Technologies : Clean Architecture , Repository Pattern , Cubit

- Enables adding products with categorized stock levels, registering suppliers/customers with full contact details, and generating purchase/sales bills with discounts, taxes, and payments tracking.
- Supports assigning categories for better product organization and provides access to detailed product and billing history through comprehensive reports.

Dishcovery

Recipes Web Site with AI integration

Technologies : Angular , ChaGPT2 API , Deployment

- Built with Angular and integrated with ChatGPT-2 API, the platform allows users to view recipe details, explore categories and regions, and interact with AI to generate recipes based on available ingredients.
- Designed and deployed a responsive web application that enhances cooking discovery through smart AI suggestions and organized content presentation.

BookMe

Book Shop Web Application

Technologies : *Firebase in web , Payment Integration , Cloudinary , Auth , Hosting*

- Developed a Firebase-authenticated web app with email/Google login, product catalog with pagination, a synced cart system using localStorage and Firestore, and PayPal test payment integration.
- Built an admin panel for product management (add/edit/delete), used Cloudinary for image optimization, enforced Firestore security rules, and deployed the app via Firebase Hosting.

E-commerce

E-Commerce for shopping Mobile Application

Technologies : *Restful API's , state management*

- Implemented Clean Architecture (UI–Domain–Data layers) with Cubit for efficient state management, ensuring a scalable and maintainable mobile application structure.
- Integrated RESTful APIs to deliver full shopping functionality including categories, brands, product listing, cart, user profile, authentication (login/register), and wish list features.

Movies

Movies Mobile Application using TMDP API

Technologies : *Restful API's , MVVM , Git*

- Integrated the TMDP API to fetch and display popular, upcoming, and top-rated movies, with detailed information for each film.
- Enabled movie search by name or type, and allowed users to manage a personal watch list by adding or removing movies.

UI for education platform

education platform UI

Technologies : *responsiveness using Bootstrab*

- using HTML , CSS , Bootstrab
- provide responsive page view

GEINIE

gallery mobile application integrated with AI model using Flask

Technologies : *integrate AI using Flask , Storage , Provider*

- Developed a responsive Flutter app with Firebase backend, enabling image upload/capture, AI-generated captions, and semantic search using a Flask API with Sentence Transformers.
- Integrated AI image captioning and semantic search via a Flask API using Sentence Transformers.
- Implemented MVVM architecture with Provider for maintainable state management, along with secure user authentication and intelligent image handling.

AI & Machine Learning Projects

Gained hands-on experience in building and deploying machine learning and deep learning models across various domains. Projects included:

Text classification model using CNN 

Sentiment140 dataset

Fruit recognition model 

fruit360 dataset

Text generation using an RNN model 

trained on Wikipedia articles

Mobile price classification 

Particle Swarm Optimization (PSO) and Linear Discriminant Analysis (LDA) with a Decision Tree classifier to classify mobile phone prices based on specifications.