IDAN RODRIGEZ

SOFTWARE DEVELOPER

SUMMARY

Computer Science graduate with hands-on experience in developing software applications, integrating APIs, and working with machine learning models. Skilled in clean architecture, modern development practices, and data-driven solutions. Fast learner with strong problem-solving abilities and the ability to contribute effectively in both team-based and independent environments.

EXPERIENCE (PROJECTS-BASED)

PLANTPAL – ANDROID APP FOR PLANT CARE MANAGEMENT

- Built a production-level Android app in Kotlin using MVVM, Retrofit, Room, and Hilt.
- Integrated REST API and Glide for plant data and images, with a favorites list and clean navigation.
- Implemented custom watering reminders using WorkManager to notify users on schedule.

DERMASSIST – DEEP LEARNING FOR SKIN CONDITION DETECTION

- Developed a ResNet-based multitask CNN in PyTorch to classify skin images with high accuracy.
- Used Grad-CAM for visual explanation and applied transfer learning + augmentation techniques.
- Achieved 87% accuracy on multi-label tasks using real dermatology data.

JOB SEARCH BOT – PYTHON AUTOMATION WITH TELEGRAM

- Created a job alert bot in Python using BeautifulSoup and Telegram Bot API.
- Automated scraping from tech career pages and sent updates via Telegram.
- Scheduled with cron for daily job tracking and streamlined job search.

EDUCATION

2022-2025

B.SC IN COMPUTER SCIENCE

Holon institute of technology

CONTACT

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SKILLS

- Languages: Python, JavaScript, C++, C#, Kotlin, SQL
- Frameworks & Libraries: React.js, Node.js, Retrofit, Room, PyTorch, Glide
- Core Concepts: MVVM, REST APIs, Object-Oriented Programming, Clean Architecture, Agile, Machine Learning
- Problem-solving, Teamwork, Communication, Self-learning, Time Management

COURSES

- Object-Oriented Programming – C++, C#
- Advanced C Programming
- Data Structures & Algorithms
- Databases & SQL
- Data Science & Machine Learning – Python
- Software Engineering – Design Patterns, UML
- Network Basics & Cybersecurity
- Full Stack Development : HTML, CSS, Node.js, React.js, Git