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- Hesamedin Ziaee Ziabari
- Istanbul - Turkey



## Education

### Bachelor of computer

University of TEHRAN

1988-1993

### Master of computer

Azad University

2012-2016



## Courses & Training

- Python Programming (Flask, Pandas) Machine Learning (Regression, Classification, Clustering)
- Database Management (Oracle, MySQL, SQLAlchemy),
- IT Security Fundamentals



## skills

- Programming & Scripting: Python (Flask, FastAPI, Pandas, NumPy, SQLAlchemy), C, C#, PHP, Bash
- Databases: Oracle, MySQL, PostgreSQL, SQLite
- Web & APIs: REST API development, Flask/FastAPI, HTML, CSS, JSON, XML
- Tools & Platforms: Git/GitHub, Linux, Docker, Virtualization, Data Center Operations
- Security & Administration: IT security management, system hardening, database security, access control
- Other: Agile/Scrum, Freelance project delivery, Technical documentation



## Language

English

# HESAMEDIN ZIAEEZIABARI

## Programmer

### Profile

Python developer with hands-on experience in backend development, automation, and data-driven applications. Skilled in Python, SQL, and modern libraries for building efficient and scalable solutions. Active GitHub contributor with freelance projects showcasing API integration, database management, and automation scripts. Previous experience as C/C#/PHP developer and Oracle DBA, later advancing to IT management and security roles. Currently focused on delivering clean, reliable Python code for full-time or freelance projects



## Experience

- Freelance Python Developer - Turkey
- Delivered multiple Python projects including web apps, automation scripts, and small data-driven solutions. Built fully functional, structured, and documented applications tailored to client needs.
- Previous IT Roles (Iran)
- Security Manager - Oversaw IT security policies, access control, and system hardening across the organization.
- Data Center Manager - Managed servers, networking, storage, and virtualization
- Database Administrator (Oracle) - Maintained, optimized, and secured enterprise databases.
- Programmer (C, C#, PHP) - Developed software solutions for enterprise applications, including custom business tools and automation scripts.



## Some Related Project

### Serial No. Verification (Educational - GitHub)

- Tech Stack: Python, Flask, SQLAlchemy, SQLite, HTML/CSS/Bootstrap, JavaScript
- Developed a web and SMS-based application to verify the authenticity of product serial numbers. Implemented Flask Blueprint, Flask-Login for authentication, and SQLAlchemy for database management.
- Built a user-friendly interface with editable tables, profile image storage, and Bootstrap styling. Included detailed comments and documentation for learning and code review.

### Implementing Games with Python (Educational - GitHub)

- Tech Stack: Python, Pygame
- Developed a collection of classic games with enhanced mechanics, starting with a modified Snake game featuring moving obstacles. Implemented game logic, collision detection, and interactive gameplay using Pygame. Focused on creating reusable code structure for future game experiments and learning purposes.

### Machine Learning with Python (Educational - GitHub)

- Tech Stack: Python, Pandas, Scikit-learn, Regression, Classification, Clustering
- Applied machine learning techniques to real-world datasets, including regression, classification, and clustering tasks. Built predictive models to estimate apartment prices using a dataset of ~4,000 properties, selecting and optimizing the best-performing algorithms. Emphasized data preprocessing, model evaluation, and feature selection to ensure accurate predictions

### Patient Management System (Freelance)

- Tech Stack: Python, Flask, MySQL, HTML/CSS, Jinja2, Matplotlib, ReportLab, Flask-Mail
- Developed a web-based application to manage patient records, medical history, insurance, and reporting. Implemented core features including CRUD operations, data visualization, PDF report generation, and email delivery. Delivered a fully structured, documented, and user-friendly application with an admin interface

### Scheduled SMS sender in smart home (Freelance - GitHub)

- Tech Stack: Python, Flask, Flask-Login, Flask-SQLAlchemy, HTML/CSS/Bootstrap
- Created a customizable menu system with secure user authentication and session management. Built sign-up, login, and profile pages with password hashing and access control for protected pages. Structured the application using Flask Blueprints to support modular development and reuse.