

# MOHAMED ABDALLAH

Full-Stack Python Developer

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## EDUCATION

Computer Science  
Suez Canal University  
2017-2021

## SKILLS

- Python
- Django
- Flask
- FastAPI
- ReactJs
- NextJs
- TypeScript
- Htmx
- Rest Framework
- Django-ninja
- GraphQL
- Docker
- Git
- Github
- GithubActions
- Celery
- Redis
- Frontend
- Bootstrap
- TailwindCss
- JavaScript
- Vuejs
- Postman
- Swagger
- SQL
- JQuery
- Testin
- Profiling
- Machine Learning
- SkLearn

## LANGUAGES

- ARABIC
- ENGLISH

## ABOUT ME

I am a motivated Python Django Developer with experience in microservices, Flask, FastAPI, Next.js, Django-Ninja, GraphQL, and HTMX. I specialize in web development, RESTful APIs, and database management with SQL. I have hands-on experience with Celery, Redis, and Docker for task management and containerization. I'm proficient with Git and GitHub for version control. I also have basic knowledge of machine learning and computer vision concepts and am always eager to learn new technologies.

## WORK EXPERIENCE

**Python Fullstack Advanced Bootcamp** 2023-2024

### CODE4LEARN

- Developed microservices architecture for scalable applications.
- Built APIs with Django-Ninja for faster development.
- Created modern UIs using Next.js and React.js.
- Worked with GraphQL for flexible data querying.
- Implemented content types for structured data management.
- Added custom filters for advanced querying in web apps.
- Conducted testing for unit, integration, and functional cases.
- Set up GitHub Actions for CI/CD pipelines.
- Enhanced user interactivity using HTMX for dynamic content.
- Performed profiling to optimize web app performance.
- Developed web apps using Flask and FastAPI for lightweight solutions.
- Built responsive websites using HTML, CSS, and Bootstrap.
- Developed automation scripts using Python.
- Solved online challenges on Edabit, HackerRank, LinkedIn, CodeWars, and more.
- Designed and queried databases using SQL.
- Developed web apps using the Django Framework.
- Built APIs using Django Rest Framework.
- Integrated tools like Docker, Celery, and Redis.
- Deployed web apps on cloud services like Render, DigitalOcean, and Heroku.
- Integrated external APIs like Stripe payment.
- Built dashboards with Chart.js.
- Built web apps using Vue.js.
- Integrated machine learning models with Django.

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## PROJECTS

### Job-Board Microservice App

#### Features

- Microservices
- RESTful APIs
- User Authentication
- JWT authentication
- Job Listings
- Blog Service
- Job Applications
- Responsive UI
- State Management
- Real-Time Updates
- Search Filters
- Docker Deployment
- Interactive frontend
- Data fetching
- Dynamic content
- API documentation
- Real-time notifications
- Email verification

#### Tech Stack

- Django
- DRF
- Next.js
- CorsHeader
- ShadCN
- Zustand
- SWR
- Docker
- JWT
- PostgreSQL
- Git
- GitHub
- Celery
- Redis
- Tailwind CSS
- TypeScript
- Docker
- Compose

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### E-commerce Website Using Django

#### Features

- Products
- Orders
- Cart
- Coupon
- Payment
- Charts
- API with Auth
- Caching

#### Tech Stack

- Python
- Django
- Rest Framework
- Docker
- Git
- Github
- Celery
- Redis

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### Django-React-Product-Filter

#### Features

- Advanced Filtering
- Full-text Search
- Pagination Support
- CRUD Operations
- Customizable
- Pagination
- Responsive Design
- Modern UI
- API Integration
- Product Management

#### Tech Stack

- Python
- Django
- Rest Framework
- React.js
- Bootstrap
- Zustand
- Axios
- Tailwind CSS
- Docker

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## Job Board using django and Rest Framework

### Features

- User Registration and Auth
- Responsive Design
- Job Listing and Search
- Job Application Management
- Employer Dashboard
- Version Control
- User Profiles
- Deployment

### Tech Stack

- Python
- Django
- Rest Framework
- CBV
- Docker
- Git
- Github



## Egense-landing-page

### Features

- Responsive Design
- User-Friendly Interface
- Version Control
- Deployment
- Continuous Integration
- Code Quality

### Tech Stack

- Html
- **Css**
- **JavaScript**
- **Bootstrap**



## Machine Learning Cross-Skilling

2022-2023

### Udacity



### Machine-Learning-Cross-Skilling

- Introduction to Supervised Learning
- Linear Regression
- Perceptron Algorithm
- Decision Trees
- Naive Bayes
- Support Vector Machines
- Ensemble Methods
- Model Evaluation Metrics
- Training and Tuning



## Finding Donors Project

### Features

- Income Prediction
- Census Data Analysis
- Supervised Learning Modeling
- Algorithm Selection
- Performance Evaluation
- Feature Engineering
- Data Preprocessing
- Model Evaluation

### Tech Stack

- Python
- scikit-learn
- Pandas
- Matplotlib
- NumPy
- Git
- Github
- Anaconda
- Jupyter Notebook