

Romani Nasrat Shawqi

Backend SW Engineer

Egypt, Giza

LinkedIn: [Romani Nasrat](#) GitHub: [@romany36](#) Portfolio: [romani-nasrat.me](#)

Phone: [+20 101 558 4098](#) Email: [romani.nasrat@gmail.com](#)

Summary

Backend Software Engineer with +3 years’ experience, earned BCS in artificial intelligence department from Benha University. With a strong foundation in **Backend development**, Specializing in **Python** and **Nodejs** using frame works like **Django, flask, Express.js**, My expertise enables me to develop and deploy web applications. In addition, I have strong skills in **AI** as I graduated from the AI department. I have successfully combined AI with web development to create intelligent solutions that incorporate features such as chatbots, image classification, speech recognition, article clustering, and object detection and classification.

Skills

Main skills:

- web development frameworks: **Django, flask, ReactJS**.
- Programming Languages: **python, Java, C++, JavaScript**
- Database Management: **MySQL, SQLite, PostgreSQL, AWS, s3,**
- APIS building and integration: **RESTful APIs, JWT, Django-rest-framework**
- Html, CSS, bootstrap, redux, redux-toolkit, npm

Extra Skills:

- DL/ML development: **pytorch, tensorflow, keras, sklearn, numpy,Pandas, transformers,. Speech_recognition, cuda.**
- Tools & platforms: **hugging-face, MlFlow, Kaggle, vscode, Jupyter notebook. Anaconda.**
- OpenAI, Gemini APIs
- **MySQL, SQLite, PostgreSQL**
- Git/GitHub, Linux(**ubuntu**),
- SOLID, Algorithms, data structures, Problem Solving

Projects

- **Document Semantic AI Agent:**

(Nov. 2024 – dec.2024)

An intelligent system designed to help company employees and teams effectively utilize company resources. It allows users to ask questions and receive precise answers by leveraging generative AI and semantic search powered by cosine similarity.Key Features:

- **Team and Document Management:** Create teams, assign documents, and build team-specific corpora.
 - **Generative AI Integration:** Utilizes Gemini AI and Google Generative AI APIs.
 - **Employee Chatbot:** Built with React, Redux, Bootstrap, and Axios.
 - **Powerful Dashboard:** Add employees with roles/permissions, manage teams and users.
 - **Backend:** Developed using Django, Django REST Framework, and JWT authentication.
- **E-commerce website:**

(oct. 2023 – jul.2024)

E-commerce shopping website that enables user to browse products and add to cart or checkout using PayPal or debit or credit card, Also, it support profile management, orders, payments, reviews, technical support. Developed with: **Django, SQLite, React.js, React-Bootstrap, JWT, Django-rest-framework, CSS, JavaScript, and rest APIs, redux**
- **Smart Attendance System using Face Recognition:**

smart system to take attendance using face recognition, deep learning, and face detection models also it supports and add new students. Developed with: **TensorFlow, karas,transformwers, torch, sklearn, Django, SQLite, CSS, JavaScript, and rest APIs.**
- **Breast cancer diagnosis system:**

I develop websites that help doctors to easily classify patients of cancer using the Deep learning features.support registration and save patients info to help for analysis and future improvements. have 3 types of models for 3 different classifications based on, **Cancer** type, **Cancer** stage and **Density** percentage

Developed with: **TensorFlow, keras.sklearn, Django, SQLite, CSS, JavaScript, and rest APIs.**

Graduation project (Catch-the-AI): ([GitHub repo](#)) ([live website](#))

(oct. 2023 – jul.2024)

Is a smart AI-detector system that can distinguish between media text o audio that generated by the AI

Our model works to capture patterns from data to final get our smart website

- functions in our system: **Registration system**
 1. Media type flexibility
 2. Admins dashboard
 3. User history
 4. Pricing plans
 - Developed with:
 - a. AI part we build deep learning models from scratch (**TensorFlow, keras**) and transformers (**hugging face**)
 - b. Datasets from **Kaggle** and another sources
 - c. Website: we build it using modern technologies like (**react.js, html5, css3, JavaScript**) and backend to deploy models and generate APIs we used **Django** framework
-

Work experience.

➤ Backend Engineer Freelancer

Worked as a freelancer for **one year** on many platforms. I worked on many projects in web developments in field of AI, as I build smart websites that uses the features of AI, also I have developed a lot of models and deployed it and integrated using RESTful APIs, platforms on it I work:

- **Freelancer.com, Khamsat, Mostaqi.**

➤ ITI web development using **ReactJs** summer training.

I have learned the basics of React.Js how to build responsive websites and how to integrate APIs.

Skills:

1. HTML, CSS, JS, Bootstrap
2. Ract.JS
3. APIs

Education

BCS, Benha University

Sep. 2020 - July. 2024

[AWS Academy Data Engineering](#)

may- 2024