Romani Nasrat Shawqi

Software Engineer | Giza, Egypt
Military Service: Exempted
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SUMMARY

Python Backend Software Engineer | 2+ years of experience | Bachelor of Computer Science in Artificial Intelligence, Benha University

Experienced Python Backend Developer with a strong foundation in designing, developing, and deploying scalable web applications. Proficient in Django framework, with a proven track record of delivering robust backend solutions. Leveraging my academic background in Artificial Intelligence, I specialize in integrating AI technologies into web development to create intelligent, cutting-edge applications.

SKILLS

Web Development backend Frameworks: Django, Flask, Node.js, FastAPI.
Programming Languages: Python, Java, C++, JavaScript, Kotlin, Verilog
Database Management: MySQL, SQLite, PostgreSQL, AWS RDS, S3, Django ORM, Redis
APIs Building & Integration: RESTful APIs, JWT, Django-rest-framework, web sockets, celery, channels
Frontend: ReactJS, HTML, CSS, Bootstrap, Redux, Redux-toolkit, npm
DL/ML Development: PyTorch, TensorFlow, Keras, Scikit-Learn, NumPy, Pandas, Transformers, Speech_recognition, CUDA
AI Tools & Platforms: Hugging Face, OpenAI, Google Cloud, LLM, MLFlow, Kaggle, VSCode, Jupyter Notebook, Anaconda
Version Control: Git, GitHub
Operating Systems: Linux (Ubuntu)
Software Engineering: SOLID Principles, Algorithms, Data Structures, Problem Solving, Android Development, Agile,QT

PROJECTS

•Document Semantic AI Agent
Nov 2024 - Dec 2024

Intelligent system for company resource utilization using generative AI and semantic search

- Developed team and document management features allowing creation of teams, document assignment, and team-specific corpora.
- Integrated Gemini AI and Google Generative AI APIs for enhanced document processing and retrieval.
- Built employee chatbot using React, Redux, Bootstrap, and Axios for seamless user interaction.
- Created a comprehensive backend with Django, Django REST Framework, and JWT authentication.

•E-commerce Website
Oct 2023 - Jul 2024

Full-featured online shopping platform with payment processing and user profiles

- Developed a complete e-commerce platform supporting product browsing, cart management, and checkout.
- Implemented payment processing using PayPal and credit/debit card integrations.
- Created user profile management, order tracking, reviews, and technical support features.
- Built with Django, SQLite, React.js, React-Bootstrap, JWT, Django-rest-framework, and Redux.

•Smart Attendance System using Face Recognition

Automated attendance tracking system using face recognition and deep learning

- Created an intelligent attendance system using face recognition and detection models.
- Implemented student registration features and database storage for attendance records.
- Developed with TensorFlow, Keras, Transformers, PyTorch, Scikit-Learn, Django, and RESTful APIs.

•Graduation Project: Catch-the-AI
Oct 2023 - Jul 2024

AI system for detecting AI-generated content across multiple media formats

- Designed an AI system to detect AI-generated media content with 85%+ success rate.
- Implemented a comprehensive platform with registration system, media type flexibility, admin dashboard, and user history.
- Built deep learning models with TensorFlow, Keras, and Hugging Face transformers.
- Developed frontend with React.js and backend APIs with Django framework.

EXPERIENCE

•Backend AI Engineer   *2022 - Present*
Freelancer.com, Khamsat, Mostaql   Freelancer

    – Developed multiple AI-powered web applications for various clients across international platforms.
    – Built and deployed machine learning models with RESTful API integrations.
    – Created smart full stack websites leveraging AI features and capabilities. with responsive design
    – Developed end-to-end solutions from model training to web deployment.

•ITI Web Development Training   *Summer 2023*
Information Technology Institute   React.js

    – Completed hands-on training in React.js development fundamentals.
    – Built responsive websites with HTML, CSS, JS, and Bootstrap.
    – Learned API integration techniques for dynamic web applications.

EDUCATION

•Bachelor of Computer Science in Artificial Intelligence   *Sep 2020 - July 2024*
Benha University, Egypt   Benha University

    –GPA: 3.37 / 4.0

    –Graduation: A+

CERTIFICATES & LICENSES

•Django with React Full Stack Udemy   *Aug 2024*

•AWS Academy Data Engineering AWS Academy   *May 2024*

•AWS Academy Math for Machine Learning AWS Academy   *Mar 2023*

•CCNAv7: Introduction to Networks Cisco   *Oct 2022*

•Meta Version Control Meta

LANGUAGES

   • **Arabic**: Native Proficiency

   • **English**: Professional Proficiency