

Ahmed Fathy Mohammed

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Profile

Passionate and driven Python developer specializing in Django framework, with a keen interest in network fundamentals. Eager to leverage three years of professional experience and a strong academic background in computer science and artificial intelligence from Banha University to contribute to innovative projects in the tech industry.

Experience

- Python Instructor | June 2020 to July 2022
 - GDSC (Google Developer Student Club) for 2 years
- Django Trainee at ITI | September 2021 to Mars 2022
 - Developed and maintained web applications using Django framework.
 - Collaborated with cross-functional teams to deliver high-quality software solutions.
 - Implemented network-related functionalities to enhance system performance and security.
- Database (SQL & NoSQL) Instructor at IEEE | February 2022 to July 2023
- Data Analyst Internship at ITI for 3 months | Right Now starts in February 2024 to June 2024

Education

- Bachelor of Science in Computer Science and Artificial Intelligence
 - Banha University
 - GPA: 3.67 (Very Good)

Skills & Abilities

- Proficient in Python programming language
- Strong understanding of Django framework
- Knowledgeable in network fundamentals
- Familiarity with Flask
- Good understanding of SQL and NoSQL
- BDMS like PostgreSQL, MySQL server
- APIs Management
- HTML – CSS – JavaScript
- Good understating of OOP and Algorithms
- System design and analysis
- Celery task manager
- Testing like Unit testing, TDD
- Deployment processes [CI/CD, GitHub actions]

Projects

Some of my very important projects

- **Graduation Project: Chatbot with Computer Vision and NLP**

- Description:

- Developed a sophisticated chatbot integrating computer vision and natural language processing (NLP) capabilities to cater to user requests.
 - Implemented the system to accept various types of user requests, including images, utilizing computer vision algorithms to understand image content and provide relevant responses.
 - Leveraged NLP techniques to interpret natural language queries and generate accurate responses.
 - Advanced functionality included the ability for the chatbot to analyze screenshots of code provided by users, identify any issues or errors, and offer appropriate solutions.

- Technologies Used:

- Python, Django Framework
 - Computer Vision Libraries (e.g., OpenCV)
 - Natural Language Processing Tools (e.g., NLTK, spaCy)

- **CRM (Customer Relationship Management)** Website containing every CRUD operation and analysis for data.

- Top Skills**

- Python | Django | Git | Ajax | PostgreSQL

- [Link](#)

- **Blog-app** with multiple users can add posts and other users can comment on this post and so on.

- Top Skills**

- Python | Django | Git | PostgreSQL

- [Link](#)

- **ML-App-Django for predicting iris flowers** and another App to predict diabetes for Indian women.

- Top Skills**

- Python | Django | Git | PostgreSQL | ML | Datasets of flowers diabetes

- [Link](#)

- **E-Commerce website** (Wide-Commerce).

- Top Skills**

- Python | Django | Git | PostgreSQL

- [Link](#)

- **Flutter-API-App** using Django.

- Top Skills**

- Python | Django | Git | PostgreSQL | Flutter | Firebase

- [Link](#)

- **Review Text Analysis** using NLP and Django Management.

- Top Skills**

- Python | Django | Git | PostgreSQL | NLTK tool

- [Link](#)

Awards & Honors

1. Outstanding Student Award in Computer Science, | 2023
2. Best Project Award with A+ degree of our Graduation project

Certifications

- i. **Django Certified Developer (DCD)**: Offered by Django Software Foundation, this certification validates proficiency in Django development, including knowledge of best practices, security, and scalability.
- ii. **Certified Django Web Developer (CDWD)**: Provided by CertiProf, this certification assesses skills in building web applications with Django, covering topics like models, views, templates, forms, and deployment.
- iii. **Django for Beginners Certification**: Offered by online learning platforms or Django-focused training institutes, this certification is tailored for beginners aiming to establish a strong foundation in Django development.

References

Available upon request.

Resources

- [GitHub Repos](#)
- [LinkedIn](#)