

Asil Nasiri

DATA SCIENTIST

Dubai, United Arab Emirates

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Summary

As a junior data scientist with experience in Python programming and a range of data analysis tools, including AI, web scraping, and machine learning, I am committed to driving insights and innovation through data. I have completed several projects, including a Home Energy Management system using fuzzy logic that was presented at ICCIKE 2023 and accepted by IEEE, and a job market skills analysis using LDA in machine learning. With a passion for learning and staying up-to-date with emerging technologies, I am excited to apply my skills and knowledge to help organizations solve complex problems and drive success.

Work Experience

Seminant Solution, Ltd.

Dubai, UAE

WEB DEVELOPER (INTERNSHIP)

Jul. 2022 - Sep. 2022

- Giving solution based on customer needs, to solve their problem in the most useful and faster way with help of a team.
- Organizing team of developers, hosting and developing websites using different tools such as WordPress, and Webflow
- Getting traffic from whole our the world and doing analysis by using Google analytic tool
- Web Development, HTML, CSS, Search Engine Optimization, team working and team management

Projects

Job market skills analysis using Machine Learning Techniques

Dubai, UAE

RESEARCHER

Jan. 2023

- In this project, I analyzed different job positions, identified their requirements, and compared them with the outcomes of universities' programs using **LDA model topic modeling technique**. To collect and analyze job position data from various sources, I utilized **Python, FastAPI, Pandas, NLTK, and Selenium**. With the help of the **machine learning model** (LDA model), I identified common themes and patterns across the job requirements. The analysis was then compared with the outcomes of university programs to determine the alignment between the skills taught in academic programs and industry needs. The insights gained from this project can inform universities' program development and improve the employability of their graduates.

Hospital Assistant chatbot

Dubai, UAE

RESEARCHER

May. 2022

- Developed a chatbot that can recognize patients' inquiries and respond appropriately
- Improved the hospital system by automating the chatbot responses and providing quick, efficient, and accurate responses to patients
- Ongoing work to enhance the chatbot's capabilities to provide even more efficient and personalized service to patients
- Technologies used: Python, HTML, CSS, JavaScript (ReactJS), FastAPI, Axios, and PyTorch

Ingredient Detection AI Model using YOLO v8

Dubai, UAE

MEMBER

Mar. 2023 - Present

- To build an AI model that detects ingredients using computer vision and OCR text detection, enabling a cooking robot to interact with and recognize various food items.
- Utilized computer vision and OCR text detection techniques to develop an AI model capable of detecting food items and ingredients.
- Successfully trained the model to accurately read and identify different types of ingredients.
- Developed the model with the goal of creating a cooking robot that can recognize and interact with ingredients, ultimately leading to more efficient and precise cooking processes.
- This project demonstrates my proficiency in machine learning, computer vision, and OCR text detection, as well as my ability to apply these skills to real-world problems in innovative ways.

Skills

Programming Languages

Python, C, R, SQL

Data Science

Data analysis, Machine Learning, Topic modeling, data mining, topic modeling

ML/ AI

Tensorflow, Scikit-learn, Natural Language Tool Kit, OpenCV

Data Analytics

Pandas, Numpy, Matplotlib, Plotly, MySQL, Beautiful Soup

Web Technologies

CSS, ReactJs, HTML5, webflow, WordPress, FastAPI

Miscellaneous

Git, Selenium, Linux, UI Design, Figma

Education

Amity University of Dubai

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

- Admitted on 50% merit scholarship.

Dubai, UAE

Sep. 2019 - Jun. 2023

Extracurricular Activity

IEEE Publication

ICCIKE 2023 PRESENTER

- Presenting my research on Home Energy Management using Fuzzy logic
- Paper got accepted by the committee and got submitted to IEEE organization.

Dubai, UAE

Mar. 2023

Amity University Dubai

RESEARCH ASSISTANTS

- Scraped, analyzed, prepared, cleaned and trained Machine learning model for a project for the university research department.
- collect jobs from different fields, analyzed based on jobs description using LDA model.
- The result got submitted to the university research department for further use in evaluating the skills needed for each program, and as the result make required changes in the course syllabus.

Dubai, UAE

Sep. 2022 - Jan. 2023

CodersHQ

MEMBER

- A UAE programmers community - as a part of HH. Sheikh Mohammed Bin Rashid's vision towards the future - this community is working to make UAE the highest Coders per Capita in the world

Dubai, UAE

Aug. 2021 - Present

Miscellaneous

Language Proficiency English (advanced), Arabic (Intermediate), Persian (fluent)

kaggle Profile kaggle.com/asilnasiri