Nourhan Magdy

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Welcome!

Computer Science and AI student specializing in machine learning and full-stack development. Skilled in building machine learning models and developing applications with Node.js. Passionate about using AI to solve real-world problems and continually expanding my technical expertise.

Education

CS   **Helwan University**, Computer Science and Artificial Intelligence   Sept 2021 – August 2025
- GPA: 3.56/4.0
- **Department: Artificial Intelligence**

Experience

VOIS, AI and Automation Team (Intern)   July 2024 – Aug 2024
- UiPath (RPA): Built a strong foundation in Robotic Process Automation
- Power Platform: Power Apps and automated workflows with Power Automate.
- DevOps & Agile SAFE: Explored DevOps principles (CI/CD, AWS) and Agile SAFE frameworks, including roles like Scrum Master and Product Owner.
- Generative AI: Azure and APIs for chatbot development.
- Project Experience: Created a registration app for the ShipShow podcast, overcoming challenges by designing a Power Automate flow that met customer needs.

VOIS, ML and Analytics Team (Intern)   Aug 2024 – Sep 2024
- Docker
- Git and GitHub
- Google Cloud Platform (GCP)
- Time Series Forecasting
- FBProphet, and XGBoost models
- time series forecasting project using historical coffee sales data. We built models to predict the next quarter's sales using FBProphet and XGBoost.

Projects

AI Project
- Gomoku Game using minimax with alpha-beta with Python code

Machine learning project
- Image clothing data with models: regression, classification, SVM, Tree

NLP Project
- Text generation chatbot using GPT-2 models from hugging face

Web development
- Pets online shopping website
- Tools Used: Html , CSS , javascript , PHP and SQL database

Project management system
- PL project using OOP with java and database

Algorithm project

- Traveling Salesman Problem (TSP) trying to find the best and the shortest path, using java code

Activities

Web Volunteer: at IEEE student branch comsoc Helwan University

Tasks: Prepare for sessions and explain to participants in sessions (HTML, CSS, Javascript, Node,js)

Head Logistics: in Link student activity Helwan University

Tasks: Create an event planning timeline, venue choice

Courses

ZAKA Ambassadors: trainee in data science program

Data Wrangling and Cleaning

Visualization: Creating clear, insightful visualizations using tools like Matplotlib, Seaborn, or Tableau.

Programming: Proficiency in languages like Python focusing on libraries like Pandas, NumPy, and Scikit-Learn for data analysis and machine learning.

Machine Learning Basics: Implementing supervised and unsupervised algorithms, including linear regression, decision trees, clustering, etc.

DEPI (Digital Egypt Pioneers Initiative): Microsoft Machine Learning

Statistics and Linear Algebra Basics
Data Science with Python
Machine Learning
Introduction to Agile Development and Scrum
Azure AI Fundamentals
Azure AI Engineer Associate
MLOps Tools, MLflow and Hugging Face
Build Basic Generative Adversarial Networks GANs
Natural Language Processing with Attention Models
Prompt Engineering

Technologies

Languages: Python, C++, C, Java, SQL, JavaScript, Node.js, HTML, CSS

Skills: Problem-solving, TeamWork