

# Youssef Bassiony Abdallah

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## SUMMARY

- Motivated Computer Science student at Cairo University with a strong foundation in software development and Data Science & AI.
- Experienced in building end-to-end ML pipelines, data visualization dashboards, and full-stack web applications.
- Strong problem-solving, analytical, and collaboration skills. Passionate about AI innovation and automation.
- Effective communicator and team leader.

## EDUCATION

- **Cairo University – Faculty of science | 2022 - Present**
- B.Sc. in Computer Science Department.
  - Relevant Coursework: Data Structures & Algorithms, Database Systems, Machine Learning, Software Engineering and Operating System.

## Work Experience

### **Data Scientist and ML Engineer | Freelancer Mostaq | February 2025 – March 2025**

- Developed a machine learning model for prediction customer churn using Collab.
- Trained and evaluated the model on a dataset of customer data with Python.
- Collaborated with the client to understand their requirements and solution.

### **Data Scientist and ML Engineer | Vmax (USA Company) | July 2025 – Present**

- Deployed a full pipeline data science applied Python (pandas, scikit-learn).
- Developed interactive dashboards using Power BI, React, and Streamlit to visualize sales and performance metrics, improving data accessibility by 35%
- Work on CRM 8X to manage the sales deals and get business insights for sales.
- Designed a CRM Callbacks with PHP and React.

### **Ai Developer and Automation | Hoven | Oct 2025 – Present**

- Hoven Saudi Arabic Company (Remote).
- Integration with Salla, shopify with Odoo and make reporting for sales.
- Automated work flows and scripts python in n8n, make and Zapier.

## Internships

### **Data Scientist Intern | OCT 2024 – May 2025**

- Digital Egypt Pioneers Initiative (DEPI) Cairo, Egypt.
- Under The Supervision of EYouth for Development.
- Analyzed datasets and developed models using Python and Scikit-learn.
- Built dashboards to communicate insights using Python and Power BI.
- Collaborated in teams to deliver scalable ML solutions for real-world problems

### **Freelancer Intern | ITIDA Gigs | JAN, 2025 – April, 2025 | online**

- Under The Supervision of EYouth for Development.
- Prepare for freelance work and learn how to get a job and first Client.

## **Code Alpha –Data Science & Machine Learning |April 2025 – June 2025**

- Engineered a data science bootcamp that included hands-on projects and assessments, resulting in 80% of participants reporting successful job placement within three months of course completion, demonstrating program effectiveness.

## **Tech Academy – AI & Machine Learning |April 2025 – May2025**

- Gained practical exposure to real-world AI applications.
- Explored AI concepts, data preprocessing, supervised learning and model deployment.

## **Cloudjet LLC Company – Full Stack (PHP-JS-MySQL) | June 2025 – SEP 2025**

- Gained experience with Backend in PHP connected with DB, frontend.
- Gained experience with Frontend JS, CSS, HTML to make creativity Design.
- Work on server as FileZilla, Xampp and PhpMyAdmin to manage the DB.
- Work on Real-time problem for company and solve tasks.
- Gained experience with the Security for websites and how to protect it from attacks.

## **PROJECTS**

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### **Sports Training Management System – 1st Place Winner, Internship Competition ([Link](#))**

- Developed a secure, full-stack platform managing **200+ users** (clubs, coaches, and players).
- Implemented advanced security (SQL Injection, XSS, CSRF, RCE prevention)
- Proposed SaaS business model projected to increase revenue by **25%** in first year.

### **VMAX Sales Management CRM Website – Developed for company ([Link](#)).**

- Built a web-based CRM system to streamline sales tracking, deal management, and customer relations.
- Delivered dashboards and analytics features to support data-driven decision-making.

### **Predictive Modeling & Optimization Student Behavior ([Link](#))**

- Do the Trained Multiple Models, Hyperparameter Tuning, Feature Importance Analysis Then Model Evaluation.

### **End-To-End ML Models Classification for Mushroom ([Link](#))**

- Designed a reproducible ML pipeline encapsulating data preprocessing, model training (Logistic Regression, Decision Tree), and evaluation.

### **End-to-end ML Classification Titanic ([Link](#))**

- Analysis the statistical information and get an insight from data, prediction the passenger well survives or no using models' classifications.

### **Sales Forecasting and Optimization for Car Sales ([Link](#))**

- As Graduation project from DEPI, Cleaning, Analysis and visualization for data to show the features, make a Sales Forecasting for car Dataset and show the price next 30 days from last training models and make a dashboard with Power Bi.

### **Fine-Tuned BERT Sentiment Classifier | Streamlit App ([Link](#))**

- Built and deployed a BERT-based text classifier using Hugging Face & PyTorch & Transformers. Achieved 91% accuracy and created an interactive web demo.

## DCGAN Digit Generator | Streamlit App ([Link](#))

- DCGAN in PyTorch, torchvision to synthesize handwritten digits. Visual interface allows real-time generation and retraining demo.

## SKILLS

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- **Programming Languages:** Python, SQL, JavaScript, HTML, CSS, Java, PHP and C++.
- **Software Development:** next, Node.js, React, Express, Mongo DB, Postman and API.
- **Technical:** Data Science, machine learning, AI, Database, OOP and Data structure.
- **Other Tools:** GitHub, Odoo, Salla, CRM, Visual Studio Code, Jupiter, Excel and Word.
- **Frameworks & Tools:** TensorFlow, PyTorch, Keras, Hugging Face and MLflow.
- **Data & Visualization:** Pandas, Matplotlib, Seaborn, Plotly and Power BI.
- **Sec Security Practices:** Implemented safeguards against SQL Injection, XSS, and RCE; enforced secure authentication and session management; applied strong file handling policies and strengthened network security with WAF, TLS/HSTS, logging, and backups.
- **Soft Skills:** Problem-solving, teamwork and communication.

## CERTIFICATES

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- Summer School on Intellectual Property program | Organized by the National Intellectual Property Office | 2021.
- Introduction to Python & Intermediate Python | Data Camp | 2025
- Data Tools and Languages | IBM | 2025
- Machine Learning Tree Based Models | Data Camp | 2025.
- Data Analysis with AI Boot Camp | EYOUTH | 2025
- First Trainer – Internship Program | Cloudjet LLC | 2025
- First Place – Internship Project Competition | Cloudjet LLC | 2025
- CU-Ai NEXUS – Talked About AI and Start-up Company | Cairo University | 2025

## VOLUNTEERING

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- Volunteer at the Mission Charity Association | 2022-Present

## LANGUAGES

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- Arabic: Mother Tongue
- English: B1