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Summary

Motivated Junior Data Scientist with a solid foundation in Computer Science, specializing in Data Science and Programming. Proficient in Python, SQL, and Power BI for data analysis and visualization. Experienced in developing machine learning models and conducting data analysis through academic and freelance projects. Passionate about transforming data into meaningful insights and collaborating in teams to solve real-world problems.

Education

Bachelor of Science in Computer Science
Assiut University, Egypt
Sep 2021 – Expected Graduation: June 2025
GPA: 3.03

Experience

Freelance Data Analyst

POWER BI BUSINESS ANALYSIS DASHBOARD
Nov 2024 – Present

- **Developed and implemented an advanced Power BI dashboard** to provide real-time insights into sales, performance, and profitability, reducing reporting time by **40%**.
- **Optimized database structure** for more efficient data flow.
- Used **DAX to create custom KPIs**, improving decision-making by **20%**.

Projects

MEDICAL SCAN ANALYSIS (CNN FOR CHEST X-RAY CLASSIFICATION)
Assiut University | Sep 2024

- **Developed a CNN model** to classify chest X-rays into Pneumonia, COVID-19, and Healthy categories, achieving **95% accuracy**.
- **Automated diagnostics**, enhancing efficiency by **30%** and minimizing errors.
- **Optimized model performance** through fine-tuning hyperparameters.

HEART DISEASE PREDICTION SYSTEM
Assiut University | Mar 2024

- Built an **AI-driven Flask app** for heart disease risk prediction using key health metrics (**age, cholesterol, BP**).
- Designed an **ensemble model** (LR, RF, XGB) boosting accuracy to **97.6%**.
- Applied **EDA & data preprocessing** to enhance model efficiency.
- Developed an **interactive UI** for real-time predictions & health risk assessment.

Skills

TECHNICAL SKILLS

- **Data Science & Machine Learning:** Data preprocessing, regression, classification, clustering, and model evaluation (scikit-learn).
- **Programming:** Python, C++, Dart, Java.
- **Deep Learning:** TensorFlow and Keras for CNNs and advanced models.
- **Data Management:** SQL, MySQL.

- **Data Visualization:** Power BI, Matplotlib, Seaborn.
- **Mathematics & Statistics:** Statistical analysis and mathematical modeling.

ADDITIONAL SKILLS

- **Version Control:** Git for collaboration and versioning.
- **Software Development:** Knowledge with Flutter for mobile app development.
- **Soft Skills:** Problem-solving, analytical thinking, communication, and teamwork.

Certifications

Fundamentals of Database
Information Technology Institute (ITI) | Feb 2023
Bioinformatics Training
Syndicate of Scientific Professions | Jan – Feb 2023

Languages

- **Arabic:** Native
- **English:** Intermediate