Mohamed Kardosha

Data Scientist

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Profile

Data-focused engineering student with 2+ years leveraging machine learning, data analytics, and AI. Experienced in building predictive models, leading student data science teams, and solving problems. Passionate about applying cutting-edge technology to create impactful, real-world solutions.

Education

Mansoura University — Mansoura, Egypt
BSc in Electronics and Communications Engineering — *Oct 2021 – Present*
- Current grade: **Very good** — Expected Graduation: June 2026

Technical Skills

Languages: Python, C++, Java, SQL, PostgreSQL
Tools & Libraries: Pandas, NumPy, Scikit-learn, Jupyter, Pip, LangChain, Git/GitHub, VS-Code
Data: EDA, Cleaning, Visualization, Power BI, Tableau
Concepts: Web Scraping, Object-Oriented Programming (OOP), Machine Learning, Algorithmic Problem Solving

Projects

Premier League Matches Prediction | [GitHub Repository](#) — *Aug 2024*
- Built a machine learning model using Python and scikit-learn to predict Premier League match outcomes with 80% accuracy to predict football match outcomes using historical performance data.
- Implemented a full data pipeline from web scraping (BeautifulSoup) to visualization (Matplotlib, Seaborn).
- Achieved top 2 finish (out of 15+ teams) in the competitive IEEE DEV DUEL challenge.

Exoplanets Space Bot | [GitHub Repository](#) — *Oct 2024*
- Designed an AI-powered chatbot using Google Gemini API and LangChain.
- Implemented Retrieval-Augmented Generation (RAG) for space science data exploration.
- Participated in the NASA Space Apps global innovation challenge.

Books Web Scraping | [GitHub Repository](#) — *Aug 2024*
- Developed a web scraper using Python and the Scrapy framework to automatically extract book information.
- Implemented spider logic to navigate through product listing pages using pagination and follow links to individual book detail pages.
- Utilized XPath and CSS selectors to accurately extract data fields.

Extracurricular Activities

CAT Reloaded — Mansoura, Egypt
Head of Data Science Committee — *Oct 2024 – Present*
- Mentoring and managing 60+ members in a full-season data science training program.
- Designing technical roadmaps, supervising learning tracks, and evaluating outcomes.

IEEE ManSB — Mansoura, Egypt
Financial Resources Volunteer — *Dec 2024 – Present*
- Conducting sponsor outreach and market research for student-run technology events.
- Supporting funding initiatives for innovation workshops and hackathons.

Languages

Arabic: Native
English: C1 Advanced ([EF SET Certificate](#))