

Mohamed Ebrahim Hamed

Junior AI & Data Science

AI Mansurah, Egypt



mohammedbrahim1177@gmail.com

[linkedin.com/in/mohamed-ebrahim-hamed](https://www.linkedin.com/in/mohamed-ebrahim-hamed)



[mohamed-ebrahim-hamed](https://www.github.com/mohamed-ebrahim-hamed)

+201093556456

Summary

Dedicated Artificial Intelligence undergraduate at Kafr El-Sheikh University (expected Dec 2027), passionate about AI, IoT, Robotics, and Data Analysis. Experienced in Python, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Power BI, SQL, and Excel. Built projects including Titanic ML, IMDB Sentiment Analysis, Movie Recommendation, Facial Emotion Recognition, Healthcare Analytics, CNC Plotter, Maze Game Catch the Star, and Ecommerce Performance Analysis dashboards. Active member of IEEE and Robotics clubs, seeking challenging opportunities in AI and Data Science.

Education

B.Sc. in Artificial Intelligence

Kafr El-Sheikh University, Egypt

Sep 2023 – Dec 2027

Experience

• Intern – National Telecommunication Institute

Jun 2025 – Aug 2025

- Data analysis visualization using Python & Excel; applied ML models and KPI analysis, improving reporting efficiency by 20%.

• Microsoft Student Ambassador Roles

Oct 2024 – May 2025







- Delivered workshops in Python, SQL, Excel, and Power BI for 50+ students; developed dashboards and queries for student projects.



• AI ML Club Roles

Jun 2024 – May 2025

- AI Committee Member – Mansoura Robotics Club; developed AI solutions improving team ML efficiency by 15%.
- ML Member – IEEE Kafrelsheikh Student Branch; implemented ML algorithms enhancing prediction accuracy by 10%.

Projects

- **Titanic ML Project** – Solved Kaggle Titanic competition using ML; included data preprocessing, feature engineering, visualization, model training evaluation; achieved 92% accuracy. 
- **IMDB Sentiment Analysis** – NLP deep learning model classifying movie reviews as positive/negative; included preprocessing, training, evaluation, and prediction scripts; validation accuracy 89%. 
- **Movie Recommendation System** – Regularized Non-negative Matrix Factorization with Gradient Descent for movie rating prediction; predicted user ratings saved in file. 
- **Healthcare Analytics Project** – Analyzed patient, doctor, appointment, revenue, and expenses data; built interactive dashboards with Python, SQL, and Power BI. 
- **Facial Emotion Recognition Project** – CNN model using TensorFlow/Keras, OpenCV, Tkinter for real-time emotion detection; included training, GUI, and webcam integration. 
- **CNC Plotter** – DIY CNC plotter using Arduino and stepper motors for precise 2D drawings; showcased mechatronics and automation skills. 

- **Maze Game & Catch the Star** – Developed simple C++ games using BGI graphics; demonstrated 2D animation, game loops, and user interaction. 
- **Ecommerce Performance Analysis** – Built dashboards and Excel analysis for ecommerce KPIs, customer segmentation, and product performance. 

Skills

- **Technical:** Python, C++, SQL, Power BI, Excel, TensorFlow, Keras, OpenCV, Tkinter, NumPy, Pandas, Matplotlib, MySQL, SQLite, Arduino, G-Code, IoT, Machine Learning, Deep Learning, NLP
- **Soft:** Team Leadership, Problem Solving, Analytical Thinking, Project Management, Collaboration, Effective Communication

Certifications & Achievements

- Python – HackerRank, Udemy, DataCamp
- SQL – HackerRank
- HCIA-AI V3.5 – Huawei ICT Academy
- Advanced Data Analytics – NTI/ITIDA (Score: 93.5%)
- Other Courses: Robotics – Simple Steps, IoT – Creativa Innovation Hub, Overview of AI – Huawei, Database Fundamentals – MaharaTech

Languages

- Arabic (Native)
- English (Fluent)

Activities & Volunteering

- AI Committee Member – Mansoura Robotics Club
- Machine Learning Member – IEEE Kafrelsheikh Student Branch
- Microsoft Learn Student Ambassador – Kafr El-Sheikh Club