Bishoy Mamdouh Keddis

Contact & person information

- **Phone:** +201212422301
- **Email:** bishoymamdouh20@gmail.com
- **Address:** Alexandria, Egypt
- **GitHub:** https://github.com/BishoyMK
- **LinkedIn:** www.linkedin.com/in/bishoymamdouhk
- **Data of birth:** 17 September 2003

Education

Faculty: Computer Science and Information Technology Egypt-Japan University of Science and Technology | 2021-2025
Bachelor of Science (B.Sc.): *Major Artificial Intelligence and Data Science.*
Graduation project: Text-to-Avatar American Sign Language Video Generation (GenAASL) — Developed an AI-based system that translates English text into grammatically correct ASL gloss and generates realistic sign animations using a 3D avatar. Leveraged prompt-engineered large language models and ExPose-based motion modeling to create accurate, accessible ASL video outputs.

Professional Experience

Remote AI Specialist (Coding) Outlier AI & Alignerr | Nov 2024 – Present

I analyze model responses, classify outputs, and identify weaknesses in AI behavior while contributing to data collection and evaluation. I develop coding solutions to induce failures and refine large language model performance, ensuring continuous improvement. My work involves testing and evaluating AI systems to enhance their accuracy, reliability, and adaptability.

Courses / Certifications

Microsoft Machine Learning Engineer(DEPI)

Ministry of Communications and Information Technology and Information Technology Institute
Duration: June 2024 – November 2024 (180 hours)
Developed and deployed machine learning and AI models to solve real-world problems effectively.
Achieved 1st Place in the Best Project Competition, presenting my project before the Minister of Communications, showcasing innovation and collaboration with talented peers.

Telecom Egypt (WE) for Advanced AI and Big Data

Duration: June 2024 – August 2024 (120 hours)
Gained hands-on experience in AI model development and big data analytics. Worked on projects involving data preprocessing, model training, and real-time data analysis. Focused on optimizing machine learning algorithms and implementing data-driven solutions for large-scale datasets.

Projects

American Sign Language Finger spelling Recognition

Developed an advanced ASL gesture recognition system using SVM and Random Forest algorithms. Technologies used OpenCV, Flask, GANs, ML flow. Integrated a real-time web interface, enabling user-friendly interaction and deployed real time app

Smart Virtual Assistant with Vision-Based Controls

Developed a vision-based desktop assistant that uses hand gestures, facial recognition, and OCR to control media, read documents, and provide live feedback. Built with Python, OpenCV, MediaPipe, DeepFace, and Tesseract, including features like user authentication, gesture controls, and camera calibration.

Employee Data Preprocessing & Analysis Dashboard

Analyzed employee data using Python for cleaning missing data and applied machine learning. Built an interactive Power BI dashboard with visualizations on salary, gender, department, experience, and location.

Skills

Languages: English, Arabic, French, Japanese

Technical Skills:
- Programming Languages: Python, C++, HTML, CSS, JavaScript, SQL
- Microsoft Office Suite: Word, Excel, PowerPoint
- Frameworks: TensorFlow, scikit-learn, Microsoft Azure
- Data Visualization: Power Bl, Matplotlib, Seaborn
- Machine Learning Testing & Data Analyst

Soft Skills: Leadership, Public Speaking, Team Collaboration, Problem-Solving

Career Objective/Summary

I am a motivated and detail-oriented computer science graduate with hands-on experience across **AI**, **machine learning**, **deep learning**, **NLP**. I have led multiple projects applying these technologies to real-world problems. Additionally, I have extensive experience in data analysis and visualization using **Python**, **Excel** and **Power BI**, delivering actionable business insights through comprehensive dashboards and reports. Passionate about technology and continuous learning, I am eager to contribute my diverse skill set in a collaborative environment to develop innovative solutions that drive meaningful impact.