

Mahmoud Barbary

Cairo/Hurghada | 01222480081 | mahmoud.ibrahim.barbary@gmail.com

Video Resume: bit.ly/mahmoud-video-resume

LinkedIn: in/mahmoud-ibrahim-barbary

Portfolio Website: mahmoud-barbary.github.io/portfolio-website

GitHub: Mahmoud-Barbary

EDUCATION

Egypt's University of Informatics (EUI) | GPA: 3.98/4.0 | NAC, Cairo, Egypt **Oct 2021 – Jul 2025**

- Full merit-based government scholarship, earned by ranking 133rd out of 707,992 during high school.
- Top of my faculty; receiving multiple awards and a full scholarship to study my last year at UMN.

University of Minnesota Twin Cities (UMN) | GPA: 4.0/4.0 | Minneapolis, USA **Sep 2023 – May 2025**

- Fully sponsored student based on academic performance.
- Graduated B.S. in Computer Science with High Distinction. Consistently listed on Dean's List.

EXPERIENCE

Communication Liaison | Off-Campus Living, University of Minnesota **Oct 2024 – May 2025**

- Produced promotional content & videos
- Increased social media engagement by 175%
- Led outreach campaigns
- Answered calls & emails
- Assisted students with questions
- Represented office at fairs & events

AI Engineering Intern | Premio.AI

May 2023 – Sep 2023

- Contributed to Arabic LLM development
- Built foundation for a research paper
- Researched, evaluated and processed diverse datasets
- Published over 900M row dataset on Hugging Face

Video Editor | Tagged Health Center

Oct 2022 – Mar 2023

- Produced over 30 videos of patients
- Worked on ads for real estate clients
- Promoted medicine startup
- Increased visitors count by 50%
- Raised awareness for new medicine

SKILLS

- **Programming Languages:** C, C++, C#, OCaml, Python, Java, Javascript, Typescript, GDScript, SQL.
- **Frameworks/Tools:** Godot, ROS, PostgreSQL, Git, Figma, Linux (Ubuntu), Bash, Flutter, Jira, Notion.
- **Machine Learning:** TensorFlow, PyTorch, Pandas, Scikit-learn, NLP, Neural Networks, Data Preprocessing.
- **Other:** Problem Solving, Team Collaboration, Leadership, Public Speaking, Marketing, Content Creation.
- **Languages:** Native & Academic Arabic, Fluent in English.

PROJECTS

2D Fighting Game | Godot, GDScript, Git, UML, Aseprite

Oct 2024 – Present

- Building logic and finite state machines from scratch
- Learning art, animation and game engine workflows
- Emphasizing clean, modular and well-documented code
- Utilizing multiple industry-standard design patterns

Medical Chatbot Mobile App | Python, Flutter, Figma, PostgreSQL, Git

Sep 2023 – Jan 2024

- Built full-stack, end-to-end chatbot in 5-person team
- Explored CI/CD tools and Github workflows
- Integrated database, NLP-logic and interface with Flutter
- Followed Agile, REST API and Version Control practices

Solitaire, Chess, Tic-Tac-Toe Games | C++, SFML Library, Git

Feb 2023 – May 2023

- Applied object-oriented (OOP) principles and architecture
- Debugged critical logic issues under tight deadlines
- Optimized memory and storage, improving performance by 200%
- Built classic games from scratch
- Designed front-end responsive GUIs.
- Implemented customized AI algorithms

EXTRACURRICULARS

Chosen Representative | Digital Egypt Conference

Jul 2022

- Selected to speak in national video to Egypt's president as a representative for Digital Egypt initiative.

Collegiate Programming Contest (CPC) | Alexandria, Egypt

Aug 2022 & Aug 2023

- Participated in contest, got training on problem solving, data structures and algorithms.

Egypt National Events | Egypt's University of Informatics Led

Jan 2022 – May 2024

- Represented the university at major events including Egypt Meta Conference and Cairo ICT.

Personal Youtube Channel

2019 – Present

- More than 45 videos created, refining my English, Video Editing, Writing and Communication skills.