

# Mahmoud Sameh

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Highly motivated Electrical Engineering Graduate (4.95/5 GPA, top of the 61st engineering batch, Islamic University of Madinah) specializing in Artificial Intelligence and Control Systems. Demonstrated leader in university initiatives and national competitions, including selection for the prestigious KAUST AI Summer Training Program (top 100 nationally) and a significant contribution to a national victory (Prize of 150K) in SDAIA's Enjaz Hackathon. An avid learner, I have supplemented my formal education with advanced coursework from global institutions such as Harvard and the University of Michigan. Possess extensive experience developing end-to-end solutions combining hardware (Embedded Systems, Robotics) and software (Python, C, Deep Learning frameworks), incorporating robust analytical and mathematical approaches. Proven expertise in creating, training, and applying novel methods to diverse deep learning architectures, including pretrained/foundation models like YOLOv11 and SAM 2, to achieve specific objectives. Eager to apply advanced technical skills to challenging problems and contribute to research in engineering and deep learning.

## EDUCATION

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**Islamic University of Madinah**

**Expected graduation May 2025**

Bachelor of Science (B.S.) in Electrical Engineering

- Current GPA 4.95/5 ([Academic Record](#)) ([External Courses](#))

## WORK EXPERIENCE

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**Islamic University of Madinah**

**Apr. 2023 – Present**

*Engineering College Student Contributor (Part-time)*

- Enhanced the Engineering College's visibility by managing social media presence and creating content.
- Led student teams on college-level projects, offering technical insights, devising novel approaches, and fostering teamwork.
- Contributed to shaping the college's public identity.
- Provided student perspective and feedback to faculty/staff regarding program initiatives and student engagement.

## SKILLS

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|---|------------------------------------|
| ▪ Deep Learning                               | ▪ C Language                       |
| ▪ Computer Vision                             | ▪ Javascript/Django/HTML/CSS       |
| ▪ Embedded Devices Programming                | ▪ Circuit Design/Analysis          |
| ▪ Python (inc. Pytorch/Tensorflow/Pandas/CV2) | ▪ Simulink/Simscape/MATLAB         |
| ▪ Academic Research                           | ▪ Control Theory                   |
| ▪ Engineering Team Leadership                 | ▪ SQL                              |
| ▪ Digital Signal Processing                   | ▪ Data Preparation & Preprocessing |

## PROJECTS

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**Comprehensive Project Portfolio:** <https://www.linkedin.com/in/mah-sam/details/projects/>