

Ahmed Hesham Abdel-Hamed

Undergraduate Electronics and Communication Engineer

- Phone Number: [01122801439](tel:01122801439)
- Address: Cairo, Egypt
- LinkedIn: [in/Ahmed Abdel-Hamed](https://www.linkedin.com/in/Ahmed Abdel-Hamed)
- Date of birth: 13/11/2005
- Email: ahmed.abdelhamed5354@gmail.com

Profile

I am a passionate and ambitious Electronics and Communications Engineering student with a deep interest in the field, especially in Analog and Mixed-Signal Design. I have a strong enthusiasm for technology and a continuous drive to learn and improve. Motivated by curiosity and self-development, I always seek opportunities to enhance both my technical and personal skills.

Education

- **Bachelor of Communication Engineering**, Helwan University 2023 - Present
Cumulative Grade (Up to Second level): Excellent (86%)

Awards and Honors

- 3rd place in Analog IC design (IEEE||HSC) Hackathon 2025.

Languages

- Arabic – Native Language
- English – (Reading & Writing) Excellent | (Listening & Speaking) Very Good B2

Student Activities

- **IEEE || HSC** May 2025 - Present
 - Member at R&D
- **Enjad** Oct 2024 – Jul 2025
 - Member at Robotics Sub-team

Courses

- **SolidWorks**, Dr. Ahmed Aboul Fatouh (Udemy platform) Jan/Aug 2024
 - 2D & 3D part modeling from basic sketches to detailed 3D solids
 - Assembly creation and motion simulation of mechanical mechanisms
 - Technical drawing production and output of executive-level drawings
 - Hands-on design exercises to improve accuracy and design thinking

- **Analog IC design, IEEE||HSC** Apr/May 2023
 - MOSFET Operation: DC/AC analysis, short-channel effects
 - Amplifiers: CS/CG/CD topologies, cascode boosting, differential pairs
 - Advanced Techniques: Current mirrors, super cascodes, frequency compensation.
 - Tools used: Cadence simulations.
- **Digital IC design, IEEE||HSC** Jan/Feb 2022
 - Digital Design Principles
 - RTL Design with Verilog
 - Verification & Testbenches
 - Tools Used: QuestaSim

Technical Skills

- | | |
|-------------------|--|
| • SolidWorks | • Microsoft Office (Word, Excel, PowerPoint) |
| • Cadence | • QuestaSim |
| • Simulink MATLAB | • Proteus |
| • LTspice | • Multisim |

Personal Skills

- Leadership
- Team-worker with 5+ experience in different teams.
- Problem solving
- Communication