

# Fayza Ahmed

## My Contact

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- 🌐 <https://github.com/FayzaAhmed>

## Languages

- Arabic (Mother-Tongue)
- English (Intermediate)

## Skills

- Microsoft Office
- Git & GitHub
- Python, Machine Learning, NLP
- C++, Java Languages
- OOP concepts
- Data structures & Algorithms
- SOLID principles
- Design Patterns
- HTML, CSS, JavaScript
- Verilog & SystemVerilog
- ASIC flow Digital IC

## Achievements

- The 2022 ICPC ECPC Qualifications Collegiate Programming Contest (19 August 2022)
  - [Certificate](#)
- Cyber Security 101 Summer Camp from Security Meter Academy (August 2022 – October 2022)
  - [Certificate](#)
- Flutter Workshop from Minders (August 2021 – October 2021)
  - [Certificate](#)

## Education

- Sep 2023 – May 2024 The American University in Cairo  
CND Electronics Training
  - Digital IC Design and Verification Track
- 2019 – 2023 Cairo University  
**Grad:** Excellent  
**GPA:** 3.5 (Ranked 40th)  
Faculty of Computers and Artificial Intelligence  
Major: Computer Science

## Projects

- **Graduation Project: "Sahelna"** A Governmental Website for Both the Citizen and the Government.
  - **Frontend:** Using HTML, CSS, Typscript. "Angular framework"
  - **Backend:** using Django framework.
  - Machine Learning "Sentiment Analysis Model" integrated with the backend.

**Grade:** A+

- [ASIC Flow for I2C communication protocol](#)  
ASIC flow to create the complete layout (GDS) of an I2C which is a two-wire, using sead90 PDK
- Testing:
  - [JUnitTest-AutomationTest\\_TODO\\_Application](#)
  - [Automation Testing using Robot Framework](#)
  - [Black-Box Testing using JUnit](#)
- NLP:
  - [Sentiment classification for ChatGPT tweets](#)
  - [Auto-filling Program using a trigram model](#)
- [Transportation System](#)  
A software system that can be used by a client or a driver and each user has some features like: register, log in, request a ride(client), accept a ride(driver) and other features.
  - java programming language.
  - using Design Patterns.
  - following SOLID Principles.