

# Ali Mohamed Ghazal

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## Objective

A computer engineering student aiming to boost his skills by working on cutting-edge, impactful projects.

## Education

**B.Sc. in Computer Engineering | American University in Cairo (AUC) | Expected Graduation Date 2022**

GPA: 3.813/4.0

**Activities:** Head of Marketing at Anti-Cancer Team, Head of Technology at Mashrooa Kheir, Fundraising member at Volunteers in Action.

## Experience

**Back-End Engineering Intern | Robusta Studio | Jan 2021 - Current**

**Software Engineering Intern | Nabta Health | Summer 2020**

- Worked in an agile environment to create the Front End of Nabta Care, a telehealth application, using React Native and Android development technologies.

**Undergraduate Research Assistant | AUC | Spring 2020**

- Worked on security research as part of the Systems Lab in our university.
- Assisted in setting up the cloud infrastructure of the System lab using OpenStack.

## Projects

<b>Courses Registration System:</b>	<b>Purpose:</b> Helping students view available courses based on pre-requisites, add and read students' reviews of different courses, and manage degree courses. <b>Technologies:</b> React, Node.js, Express, PostgreSQL, Heroku for Deployment
<b>IBEX based SoC</b>	<b>Purpose:</b> Designing an SoC entirely using open-source tools. <b>Technologies:</b> IBEX Core, OpenLane EDA flow, Verilog, Automatic Systems Generator, SKY130 PDK.
<b>Twitter Sentiment Analysis</b>	<b>Purpose:</b> Performing sentiment analysis on a dataset of 2M tweets. <b>Technologies:</b> Different ML/DL algorithms, Word Embedding, Deployed as Django web app.
<b>Side Projects</b>	Compiler entirely in C# (WIP), Conway's Game of life, PACman, Lossless Text Compression Utility, Linux Diskspace Analyser, Logic-to-SPICE Generator, and Many Kaggle Projects.

## Awards:

**1<sup>st</sup> place** in the Sprint, a fintech competition by AUC Vlab, for developing a micro-financing application.

**1<sup>st</sup> place** in SWITCH for developing an environmentally friendly rice straws recycling project.

On the **Dean's list** for academic excellence.

## Skills

<b>Language</b>	<ul style="list-style-type: none"><li>- Excellent command of written and spoken <b>English</b> and <b>Arabic</b>. Elementary proficiency in <b>German</b> and <b>French</b>.</li></ul>
<b>Technology</b>	<ul style="list-style-type: none"><li>- Programming Languages: C++/C, C#, Python, Javascript, Kotlin, and Verilog.</li><li>- Frameworks: React, React Native, .NET, and Django</li><li>- MySQL, PostgreSQL, and MongoDB</li><li>- Machine Learning and Deep Learning</li></ul>