

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 Mashroaa 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

Courses Registration System:	Purpose: Helping students view available courses based on pre-requisites, add and read students' reviews of different courses, and manage degree courses. Technologies: React, Node.js, Express, PostgreSQL, Heroku for Deployment
IBEX based SoC	Purpose: Designing an SoC entirely using open-source tools. Technologies: IBEX Core, OpenLane EDA flow, Verilog, Automatic Systems Generator, SKY130 PDK.
Twitter Sentiment Analysis	Purpose: Performing sentiment analysis on a dataset of 2M tweets. Technologies: Different ML/DL algorithms, Word Embedding, Deployed as Django web app.
Side Projects	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:

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

1st place in SWITCH for developing an environmentally friendly rice straws recycling project.

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

Skills

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