

# Abdelhady Mohamed Ahmed

## Undergraduate Software Engineer

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## EDUCATION

**South Vally University** - *B.Sc in Computer Science GPA [3.11] till 4th semester* (September 2020 - June 2024)

**Udacity** - *Professional Front-End Web Development Nanodegree* ( July 2022- September 2022) - [Reference](#)

**Udacity** - *Advanced Full-Stack Web Development Nanodegree* ( September 2022- December 2022) - [Reference](#)

## SKILLS

- |                                   |                                   |                              |
|-----------------------------------|-----------------------------------|------------------------------|
| - Problem-solving (+1000 problem) | - TypeScript                      | - SQL DataBase (MS-SQL,      |
| - OOP                             | - NodeJs, ExpressJs               | PostgreSQL)                  |
| - C++                             | - Unit testing using Jasmine      | - Deployment (AWS, Circleci) |
| - Data Structures & Algorithms    | - Front-end(HTML,CSS,JavaScript ) |                              |

## PROJECTS

**Udagram** - *WebApp Deployment ( December 2022 )* - [Reference](#)

Deploy a prebuilt full-stack project using AWS and CircleCi,

- Document project dependencies, infrastructure, AWS infrastructure, and Pipeline.
- CI/CD using Circleci.
- Host database in Amazon RDS, front-end in S3 bucket, and backend application in Elastic Beanstalk.

**OnlineStore** - *API ( November 2022 )* - [Reference](#)

RESTFUL API by NodeJs, Express, and typescript integrated with a Postgres database to provide order information within a store,

- Do CRUD operations on the database.
- Used JWT for authentication and password hashing.
- Migration testing to test each database operation made within the application.
- Jasmine for Unit testing and testing all endpoints in the application.

**Twitter** - *Database ( March 2022 )* - [Reference](#)

A database built using MS-SQL to simulate Twitter's real database. Got first place in the college competition,

- Covered many features (add tweets - follow - retweet - like - make a list)
- Build many complex queries.

## ACTIVITIES

**Problem-solving mentor & Vice-Leader** - *SVU-CPC Community ( September 2021 - Present )* - [Reference](#)

Mentoring students by teaching them the principles of problem-solving using C++. And as a vice-leader, we set our season plan and cooperate with the university administration and the ICPC to improve the level of our university students in problem-solving skills, and participate in xCPCs like +300 participant we helped.

## AWARDS

- 114th place out of 200 team in The 2022 ICPC Egyptian Collegiate Programming Contest - [Reference](#)
- 55th place out of +200 team in The 2022 ICPC ECPC Qualifications Collegiate Programming Contest - [Reference](#)
- Participant in The 2021 ICPC Egyptian Collegiate Programming Contest - [Reference](#)
- 39th place out of +170 team in The 2021-ICPC Upper Egyptian Collegiate Programming Contest - [Reference](#)