

# SHEHAB GAD

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## Education

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### Cairo university

Feb 2019 - June 2024

#### Bachelor of Computer Science and Artificial intelligence

GPA 3.71

- **Courses:** Structured Programming (C++), OOP in C++, Introduction to software engineering, Advanced software engineering, Data structures, Computer networks, web technology, Algorithms, Operating systems 1, Artificial intelligence, Introduction to databases
- **Listed among the top 50 students.**

### Udacity

June 2022 - Aug 2022

#### Advanced Full-stack Web Development Nano Degree program

- **Learned:** Node.js, Typescript, Unit testing using jasmine, Express, PostgreSQL, Deploying, CI/CD, CircleCI, AWS RDS, AWS S3, AWS Elastic Beanstalk, REST API, Authentication and authorization using JWT tokens.

## Achievements

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- Ranked 19<sup>th</sup> in the 2022 ECPC Qualifications Collegiate Programming Contest (out of 230+ teams) and Qualified for ECPC Finalist.
- Participated in 2022 ECPC (Egyptian Collegiate Programming Contest) Finalist

## Projects

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### Seekers

Full-stack web application

- Built a full-stack online recruitment website that allows job seekers to find and apply for vacancies uploaded by employers.
- Applied scrum and worked across the development life cycle to build and maintain code
- Developed the front-end using Html, bootstrap, and JavaScript
- Developed the Back-end using PHP following a service-oriented architecture
- Developed the Database with MySQL

### BaniSwvl

RESTful web service

- built a restful web service that helps users communicate with car drivers to transport users to any area using Java spring boot in a team of 3.
- Employed best software design practices (SOLID) and scrum to work on the project
- Developed part of the project core logic and developed the whole API using java spring boot

## StoreFront

Restful web service

- Built an online store backend using typescript, node.js, and express.js
- Architected the database and developed it using PostgreSQL
- Developed a RESTful API that exposes important information to the frontend developer
- Built unit tests using Jasmine
- Secured user information and provided user authentication tokens using JWT

## Skills

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Back-end:	Java(spring boot), PHP, node.js, express.js, REST Apis
DevOps:	AWS Elastic Beanstalk, AWS S3, AWS RDS, CI/CD, CircleCI
Database:	SQL, MySQL, PostgreSQL
Testing:	Python(selenium), unit testing using jasmine
Front-end:	HTML, CSS, JavaScript, React, bootstrap, typescript
Software engineering:	Design patterns, Version control(git), Agile/scrum methodology, API development;
Software design(UML, development process), Software architecture(architectural styles, service-oriented architecture).	
Languages:	C++ , Java, Python, Javascript, PHP