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LinkedIn
GitHub
Codeforces

# Soha Ahmed Sanad

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## Education

CAIRO UNIVERSITY
FACULTY OF COMPUTERS & INFORMATION                    SEP 2015- JULY 2019
BACHELOR (B.SC.) IN COMPUTER SCIENCE,
SOFTWARE ENGINEERING PROGRAM.

GPA: 3.1/4.0
**SELECTED CORE COURSES:**
Data Structures, Algorithms, OOP, Operating Systems, Logic design, SWE1, SWE2, Databases, Networks, data communication, Computer Architecture, Software Design & Architecture, AI, Software testing, Theory of Computations, Cloud Computing, Knowledge Engineering.

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## Experience

**Blockchain Developer – Intern**          **ThinkBig! Egypt**          **23th Jul 2018 – 23th Sep 2018**

Worked on an application of Blockchain in education project (Proof of concept), with the aim of avoiding the loss and falsifying certificates & transcripts in education institutions by using the blockchain to store student's verified certificates.

**Tech Stack**: Ethereum Blockchain, Solidity programming language for smart contracts, Bitbucket, JavaScript, HTML, CSS, Truffle, Ganache.

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## Technical Skills

**Fluent**: C++, Java.

**Worked with**: Python, C#, JavaScript, HTML5, CSS3, PHP, Solidity, prolog.

**Frameworks**: Spring, Bootstrap, Android, Flask, Django & Truffle Framework.

**Development Environments:** Eclipse, Android Studio, Microsoft Visual Studio.

**Other Tools:** Git VCS, BitBucket , JIRA ,Trello.

**Databases**: MySQL, SQL Server, SQLite, Firebase.

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## Selected Projects

- **Contributed to Open Source Application**

  Implemented a skip to next/previous song by album Feature Request made to Shuttle Music Player Android Application, Pull Request 413.

- **2048 Game solver**

  Program made to attempt to solve 2048 game by achieving 2048 tile while maximizing the efficiency and success rate using minimax algorithm & alpha beta pruning, made using prolog.

- **Weather Chatbot**

  A Facebook messenger chatbot that provides weather information using DialogFlow NLP and a weather API, implemented using python with Django framework.

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## Extra-Curricular Activities

- ISTQB Foundation level certified.
- Android Oreo complete course & the web developer bootcamp from Udemy.
- Active problem solver on Codeforces.