

# OMAR EINEA

## Full Stack Developer (2+ Years of Experience)

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## EXPERIENCE

**Full Stack Developer** May 2020 – Present  
**Alef Education** Abu Dhabi

- Built multiple back-end *Microservices* for core projects functionality.
- Developed interactive front-end Web UI pages and components.
- Managed content synchronization process and project databases.

NodeJS   ExpressJS   Koajs   MongoDB   ReactJS

**Full Stack Developer** Sep 2019 – May 2020  
**Saal ai** Abu Dhabi

- Built core back-end service to manage courses and licensing of the project.
- Developed the second version (v2) of project's internal authoring tool.
- Implemented complex formulas to evaluate students' skills understanding.

NodeJS   Koajs   MongoDB   ReactJS   Kafka

**Research Assistant** Jan 2018 – Sep 2019  
**University of Sharjah** Sharjah

- Collected millions of text articles using *Web Scraping* tools.
- Designed several *Machine Learning* models and trained them on that data.
- Automated lots of tasks, created some apps and worked on data analysis.

Python   Keras   TensorFlow   Selenium

## PROJECTS

**UOS HUB**  
**Senior College Project**

- A website designed to unify all University of Sharjah websites in one place.
- It scrapes all student data and displays them in a user-friendly interface.

Python   Django   AngularJS   AngularJS   Material UI

**InstaBlock**  
**College Course Project**

- An Android app that instantly blocks the installation of other unwanted apps.
- It allows blocking installed apps, apps on Play Store or through custom filters.

Java   XML   Android Studio   Glide

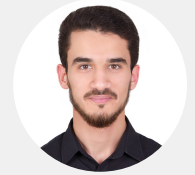
**Waste Strategies**  
**Freelance Client**

- Interactively Inputs, calculates and visually outputs waste disposal strategies.
- It dynamically generates strategy charts and is secured with strict validations.

ReactJS   Material UI   Firebase

## ACTIVITIES

- Organized and volunteered in many Computer Science related events.
- Attended numerous workshops, hackathons, and programming contests.
- Active member of Sharjah Google Developer Group and OpenUAE.



## ACHIEVEMENTS

**Winning Contests**  
Ranked 1st and 2nd in multiple hackathons, awarded a total of 17000AED.

**Spreading Knowledge**  
Presented several workshops about Android, TensorFlow, Flutter, Blender and other tools and frameworks.

**Highest Honors**  
Graduated with an 'A' grade in nearly all university courses.

**Scholarly Publications**  
Co-authored 4 refereed journal articles and 6 conference papers in various Computer Science fields.

## SKILLS

Full-Stack Development   REST APIs  
Microservices   Algorithms   UI Design

TypeScript   NodeJS   Koajs   JSON  
MongoDB   ExpressJS   ReactJS   Git  
Python   jQuery   CSS3   HTML5

## LANGUAGES

**English:** Full Professional Proficiency  
**Arabic:** Native Language

## EDUCATION

**M.Sc. in Computer Science**  
**University of Sharjah**  
Sep 2018 - Present  
Thesis planned to be in Machine Learning.

**B.Sc. in IT and Multimedia**  
**University of Sharjah**  
Sep 2014 - Jun 2018  
Graduated with 3.94 out of 4.0 GPA.

## PUBLICATIONS

### Journal Articles




- Omar Einea, Ashraf Elnagar, Ridhwan Al-Debsi. "SANAD: Single-Label Arabic News Articles Dataset for Automatic Text Categorization" *Data in Brief*. Elsevier, 2019.
- Ashraf Elnagar, Ridhwan Al-Debsi, Omar Einea. "Arabic text classification using deep learning models" *Information Processing & Management* 57.1: 102121. Elsevier, 2020.
- Ashraf Elnagar, Leena Lulu, and Omar Einea. "An Annotated Huge Dataset for Standard and Colloquial Arabic Reviews for Subjective Sentiment Analysis." *Procedia computer science* 142: 182-189. Elsevier, 2018.
- Manar Abu Talib, Omar Einea, Qassim Nasir, Mohamad Fouzi Mowakeh, and Mohamed Eltaawil. "Enhancing computing studies in high schools: A systematic literature review & UAE case study." *Heliyon* 5, no. 2: e01235. Elsevier, 2019.

### Conference Proceedings




- Omar Einea and Ashraf Elnagar. "Predicting Semantic Textual Similarity of Arabic Question Pairs using Deep Learning." In *2019 IEEE/ACS 16th International Conference on Computer Systems and Applications (AICCSA)*, pp. 1-5. IEEE, 2019.
- Ashraf Elnagar, Omar Einea, and Ridhwan Al-Debsi. "Automatic text tagging of Arabic news articles using ensemble deep learning models." In *Proceedings of the 3rd International Conference on Natural Language and Speech Processing*, pp. 59-66. 2019.
- Ashraf Elnagar, Omar Einea, and Leena Lulu. "Comparative study of sentiment classification for automated translated Latin reviews into Arabic." In *2017 IEEE/ACS 14th International Conference on Computer Systems and Applications (AICCSA)*, pp. 443-448. IEEE, 2017.
- Ashraf Elnagar and Omar Einea. "Brad 1.0: Book reviews in arabic dataset." In *2016 IEEE/ACS 13th International Conference of Computer Systems and Applications (AICCSA)*, pp. 1-8. IEEE, 2016.
- Meriem Bettayeb, Omnia Abu Waraga, Manar Abu Talib, Qassim Nasir, and Omar Einea. "IoT Testbed Security: Smart Socket and Smart Thermostat." In *2019 IEEE Conference on Application, Information and Network Security (AINS)*, pp. 18-23. IEEE, 2019.
- Ali AlZaabi, Manar Abu Talib, Ali Bou Nassif, Ali Sajwani, and Omar Einea. "A Systematic Literature Review on Machine Learning in Object Detection Security." In *2020 IEEE 5th International Conference on Computing Communication and Automation (ICCCA)*, pp. 136-139. IEEE, 2020.

## REFEREES




### Prof. Ashraf Elnagar

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 Computer Science  
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### Ridhwan Al-Debsi

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 Machine Learning Engineer  
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