## Ahmed Osama Mohamed

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## Work Experience

**Software Development Internship Shadi Systems** **07/2021 – 09/2021**

* Implementation of database queries and stored procedures to build a web application called “Smart Stores”.
* Used SQL with Microsoft SQL Server for implementation, Postman for API testing and ASP.NET Core.
* Documentation for queries and features in the application.

## Education and Certifications

* **Bachelor of Computer & Communications Engineering (CCE-C), June 2022** **2017 – Current**

**Cairo University, Faculty of Engineering (Credit Hours System)**

**Cumulative GPA:** 3.78/4.00

## Soft Skills

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| * Project Management | * Teamwork | * Time Management |
| * Presentation Skills | * Leadership | * Problem Solving |

## Technical Skills

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| * **AI & Data science:** | * Data Manipulation and Visualization: Python, Pandas, NumPy, Matplotlib |
|  | * Machine Learning Frameworks: Sklearn, Tensorfl­ow, Keras, Pytorch, Trax |
|  | * NLP: Word Embedding, Probabilistic, Sequence, Attention Models. |
|  | * Image Processing & Computer Vision: OpenCV, Skimage |
| * **Backend Development:** | * API development: Laravel, Spring Boot, NodeJS, Express |
|  | * Database Development: MongoDB, MYSQL, SQL Server |
| * **Programming Skills:** | * Technical Development (Python, MATLAB, JavaScript) |
|  | * Desktop development (C, C++, C#, JAVA) |
|  | * Algorithms Analysis and Design, OOP & Data Structures |

## Achievements

* **STP Machathon 2.0 Arabic NLP Competition 2nd place winner (June 2021)**

Created an intent classi­er for an Egyptian chatbot using Deep Neural Networks & Transformers.

Implemented with Keras, PyTorch, Tensorflow, HuggingFace, Ara-Bert.

## Extracurricular Activities

* **Jan 2021 – Dec 2021** **Technical Team Member**

Interested in learning Software Engineering & AI.

Responsible for Machine Learning modules in different projects like Hearing Aids Project.

## Projects

* **Facial Recognition System:**

Implemented fully functional 3 modules. Face Detection, Landmark Detection, Recognition. Different techniques were used to implement the recognition module, like Eigen Faces, and LBPH.

* **Writer Identification System:**

Writer Identification system with IAM Database, using KNN & SVM.

* **Ticket Booking System**

Built a fully functional booking System. Used Laravel Framework for backend, Vue.js for frontend.

* **Search Engine**

Developed a multi-threaded web crawler and an indexer. Implemented with Java, Spring boot, React, and MySQL.

* **Music Player | Spotify clone**

Constructed a REST API for a clone of “Spotify” and “Spotify for Artists” using Node.js and Express.js.