# SAUD ALHARBI

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## EDUCATION

**Manarat Al Khobar International School**                                                   **2014-2020**
*High School Certificate*
**Cardiff University**                                                                                         **2021-2024**
*GPA: 3.0/4.0 (2:2 Second Class Honors)*

## EXPERIENCE

**Administrative Assistant (eXtra) -**                                            **June 2017 – July 2017**
- Organized and managed a variety of store-related files at eXtra.
- Systematically sorted physical documents, including inventory lists, sales reports, and customer service records.
- Entered details into spreadsheets with meticulous attention to ensure accurate documentation and easy retrieval.
- Categorized files by product type, date, and relevance to streamline internal operations.
- Improved data accessibility for the team through an efficient and well-maintained filing system.
- Utilized attention to detail and organizational skills to enhance overall workflow efficiency.

**Freelancing -**                                                                          **January 2013 – Present**
- Specialized in providing multimedia and content creation services to various businesses as a freelancer
- Edited videos and photos, recorded advertisement videos, and produced personal vlogs to help clients enhance their online presence.
- Completed copywriting assignments, creating engaging and compelling content for websites, marketing materials, and social media platforms.
- Leveraged a diverse skill set to meet the unique needs of each client.
- Ensured projects were completed with a high level of quality and creativity.

## SKILLS

**Programming Languages:** Python, Java, JavaScript, C#, SQL, HTML5, CSS
**Dev Tools:** GitHub, VSCode, IntelliJ IDEA, Atom, MongoDB Compass, Unity, Neo4j, Arduino, Jupyter Notebook, SCRUM, Microsoft Teams
**Data Science & ML:** NumPy, Pandas, Matplotlib
**Data Engineering:** MySQL, MongoDB
**Spoken Languages:** Fluent in English and Arabic

## PROJECTS

**Computer Science, Project Outlaw (Group Project)**                                      **May 2023**
- Learned and applied C# for game development, expanding technical skills.
- Gained experience with Unity to improve technical expertise and create immersive gaming experiences.
- Adopted and explained the SCRUM methodology to work in iterative sprints and deliver incremental value.
- Integrated Trello with GitHub to ensure team members stayed updated on the codebase
- Utilized Trello for project management, enhancing collaboration, organization, and team communication.
- Actively contributed to the concept and design of the game, influencing the direction and aesthetic.
- Took on responsibilities such as researching, implementing key features, solving technical challenges, and ensuring component integration.

**Computer Science, Security System**                                                    **May 2022**
- Created a burglar alarm system by implementing IoT technology.
- Programmed the system using Arduino for effective functionality.
- Assembled the burglar alarm system using various sensors to enhance security.
- Integrated and configured sensors to detect unauthorized access and trigger alerts.

**Computer Science, *Stock Price Prediction & Comparison Analysis (Machine Learning)* (AI)**     **May 2024**
- CDesigned and implemented a Long Short-Term Memory (LSTM) model to predict stock market trends, focusing on time-series data and stock price correlations between multiple companies.
- Cleaned and pre-processed large financial datasets using MinMax scaling, ensuring the accuracy and efficiency of

the model by selecting the most relevant features for prediction.
- Conducted in-depth correlation analysis between major companies (Tesla, Ford, Panasonic, etc.), analysing how stock movements influence each other, and visualized data using graphs and statistical tools.
- Evaluated model accuracy using Root Mean Squared Error (RMSE) and Mean Absolute Error (MAE), comparing machine learning models against traditional methods to ensure superior predictive performance.
- Fine-tuned the LSTM model's parameters for improved accuracy, successfully scaling the model to process multiple years of stock data without sacrificing performance.
- Generated statistical graphs and visualizations to effectively communicate model predictions, using tools like matplotlib to analyse and compare stock price trends.