



# SHANE ABRAHAM

Dubai, UAE | +971 56 2463263 | Age: 21 | [shaneabh777@gmail.com](mailto:shaneabh777@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Website](#)

## Professional Profile

---

Enthusiastic graduate from MDX Dubai with a BE in Computer Systems, specialized in software development. Created programs with low space and time complexity and have experience with systems such as Raspberry Pi to integrate software into hardware and create an embedded system. Proven record of implementing successful web and android applications and utilized project management methodologies to execute the development process. Sponsorship is under parent's visa and have a valid UAE driving license.

## Education

---

### Middlesex University Dubai (2019-2022)

Bachelor of Computer Systems Engineering

- **First-class honors** (4.0 GPA)
- Implemented an Android application and achieved Grade 1 for the final year individual project.
- Achieved Runner's up place at a FinTech Technovation by managing a group of four.
- Developed projects using advanced data structures and algorithms using programming languages such as C, C++, Java, and Python.
- Gained leadership and teamwork experience by working with multiple groups.
- Experience with project management methodologies such a waterfall and agile.

### Our Own High School (2004-2019)

High School

- 89% in Math, Physics, and Chemistry and 87% in Computer Science.
- 87.8% overall in 12<sup>th</sup> grade (CBSE)

## Experience

---

### Middlesex University Dubai

Sept 2021 – Apr 2022

#### Final year Individual project

- Designed and built an Android application using Java that helped users improve their financial capability.
- Integrated APIs using AJAX and HTTP methods and utilized web view to implement these features on Android.
- Managed a cloud-database using firebase (NoSQL) to implement scalability and reduce the load on the end devices.
- Developed a real-time stock price alert system that would help traders maximize profits and save time.
- Enforced the agile framework to develop this project over a period of 6 months which helped me build my experience in project management and Microsoft excel was used to track and record the processes.

#### Game Development with JavaFX

- Developed a multi-networking game using JavaFX and managed a group of four to implement this game.
- Utilized Scene builder to design the layout of the screen and the game.
- Sockets and multithreading were used to connect with different players and TCP was used to exchange messages between players.
- Client-server model was used as the architecture.



# SHANE ABRAHAM

Dubai, UAE | +971 56 2463263 | Age: 21 | [shaneabh777@gmail.com](mailto:shaneabh777@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Website](#)

## Other Coursework Experience

- Implemented a library search system in C++ using Binary Search Tree algorithm and performed unit testing using catch2 framework.
- Researched on various topics such as Mobile Edge Computing (MEC) vs Software-defined Networking (SDN), Ad-hoc networks, and financial capabilities.
- Experience working with Linux OS in creating command-line applications as well as developing an automated water pumping system using Raspberry pi.

## Student Learning Assistant

- Supported professors and helped students understand the subject during practical sessions.
- Created an environment of attentiveness that helped students understand the subject and eliminate 60% of the programming errors.
- Assisted students to enhance their understanding of VHDL programming and designing electrical circuits.
- Encouraged students in improving their knowledge about possible opportunities on that subject.

## Personal Projects

Apr 2022 - Present

### Web development experience

- Developed a dynamic web application using Java Servlets, HTML5, and JavaScript to analyze stock market information and implemented it using the MVC architecture.
- Obtained financial data in real-time using REST APIs and utilized MySQL database to perform CRUD operations and applied database normalization to minimize data redundancy.
- Designed and built multiple web applications such as CRM, Real estate property listing and an interactive dashboard using React JS. Experience in using designing frameworks such as CSS, bootstrap, and tailwind.

### Python and API development

- Performed data analysis using Pandas and NumPy to sort and filter various expenses and built an API in Flask to send data to websites.
- Designed and built web application in Django to implement a web-based price alert system using JavaScript.
- Researched and learnt how to build static and dynamic web pages in Django.

## Expo 2020, Volunteer

Jan 2022

- Guided visitors with information about Expo 2020 which helped me develop my communication and interpersonal skills.
- Supervised the site appointed to ensure safety and security of people and acquired knowledge about the diversification in UAE.
- Trained new volunteers to manage visitors and assist them with directions.

## Professional skills

- Python, Java, C++, Django, Flask, NumPy, Pandas, Matplotlib, SQL, NoSQL, React JS, Stimulsoft.
- Strong leadership, communication, and collaboration skills
- Fluent in reading, writing, and speaking English.
- Skilled in advanced critical thinking, problem-solving, and logic.
- Proficient in data analysis and visual data representation.
- Capable of developing and explain ideas and methods clearly.
- Proficient in MS Excel, MS PowerPoint, and MS word.
- Ability to multitask and work in fast-paced environments.
- Certified in Google Analytics and skilled in UI designing using Figma.