Alston Joseph **D Mello**

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Education

Abu Dhabi Indian School *Apr 2017 – Jul 2021*
Grade 11, 93.4% • Grade 10, 97.4% • Grade 9, 95.8%

- Elected as Assistant Head Boy in Grade 11 and School Prefect in Grade 12
- School Academic Topper in Grade 9 and 2nd in Academics in Grade 10

Skills

Advanced Python, SQL, Git
Intermediate Java, JavaScript, HTML, CSS, Android Studio, Unity, PyQt, React, Node, Express, MongoDB
Beginner C, C++, C#, Flask, Django, OpenCV

Projects

Side Project Ideas
MongoDB, Express, React, Node *May 2021*
A web app that allows users to create accounts and post side project ideas for those who lack inspiration.

Climb *C#, Unity* *May 2020 – June 2020*
An Android game with simple controls, in which a player has to climb up a building without clicking in the wrong direction. Self-taught Unity and C# for its development and self-designed all in-game graphics.

Cricket Statistics Calculator
Java, SQLite, Android Studio *Dec 2018 – Feb 2019*
An Android app that helps cricketers track the stats from all their matches and stores it in a database.

Coffee Farm Tools
Java, Android Studio *Jul 2018 – Sep 2018*
An Android app that helps coffee farmers by providing ready-made calculators for their various needs.

Tic-Tac-Toe AI *Python* *Jan 2021*
An AI that uses the minimax algorithm to always win or draw a game of tic-tac-toe.

Online Course Management System
Python, MySQL, PyQt *Jul 2020*
A Python program that stores details of online courses from different websites in one place, and makes finding relevant online course easy with sort and search functionality.

Awards

2021 **1st Place**, Cyber Olympiad National Qualifier
International Olympiad Foundation

2021 **1st Place**, UAE Codathon
ProEd x SLINGSHOT

2021 **UAE Rank 5**, Math Olympiad National Qualifier
International Olympiad Foundation

2019 **UAE Rank 6**, Math Olympiad National Qualifier
International Olympiad Foundation

2018 **1st Place in Middle East,**
Math International Benchmark Test
Australian Council of Educational Research

2018 **UAE Rank 4**, Math Olympiad National Qualifier
International Olympiad Foundation

Activities

'Full Stack Open' online course *Apr 2021*
Learnt the MERN stack and about building single page web applications with the stack.

JPMorgan Chase Software Engineering Virtual Experience Program *Oct 2020*
Interfaced with a stock price data feed, implemented the Perspective open-source code for data visualization, and used Perspective to create a chart for the trader's dashboard.

'CS50's Introduction to AI' online course *Aug 2020*
Learnt the theory behind graph search algorithms, classification, optimization, reinforcement learning, and other topics in artificial intelligence.

'Data Science Math Skills' online course *Jul 2020*
Topics included set theory, math on the cartesian plane, graphing functions, and probability theory.

Google Code-In *Dec 2019 – Jan 2020*
Worked on real-world open-source software projects and completed four tasks ranging from testing software to fixing bugs and writing documentation.

'Android Basics' online course *Jul 2017 – Aug 2017*
Learnt how to build multi-screen apps with audio and images, the basics of object-oriented programming, and the basics of networking in Android.