

Mohamed Ahmed

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EDUCATION

University of New South Wales (UNSW)
Bachelor of computer science

Sydney, NSW
2020 – present

Kingsgrove North High School (KNHS) – School Captain
Higher School Certificate

Sydney, NSW
2014 – 2019

- ATAR: **97**
- Mathematics: **96**, Physics: **95**

PROJECTS

Link to Repositories <https://github.com/moeyahmed?tab=repositories>

Financial Tracking Application (FinTrack)

Python, Flask, HTML, CSS, PYHTML.

- Developed a web-based financial tracking system using Flask, providing users with the ability to track stocks and cryptocurrencies, the ability to add stocks and cryptocurrencies to a watchlist, as well as retrieve news for specific financial symbols from Yahoo Finance.
- Enabled user management of financial portfolio through forms handling POST requests, allowing users to add stocks and cryptocurrencies to their portfolio.

Mental Math website

Javascript, HTML, CSS

- Developed a dynamic and user-friendly online mathematics game using JavaScript and HTML. It offers three levels of difficulty and generates random math problems with different operators such as "+", "-", "*".
- Designed and implemented random value generator, creating new problems by generating random numbers and operators based on the selected difficulty level.
- Added a question generator that places a missing value (either operand, operator or solution) in each problem, encouraging the user to fill in the gap, enhancing problem-solving skills.
- Managed user input validation and error messaging, giving feedback when users provide incorrect answers or fail to input an answer. This includes specific feedback for operator input, ensuring that the user has chosen one of the provided operators.

Expense tracker

React JS, CSS, Javascript

- The IncomeExpenses component is another vital aspect of the Expense Tracker App developed with React.js. It empowers users to analyze their income and expenses effectively. By extracting transaction data from the GlobalContext, this component calculates the total income and expense amounts separately. The income and expense figures are then displayed, allowing users to gain insights into their financial flow where they can view their own history.

LEADERSHIP EXPERIENCE

Kingsgrove North High School (KNHS)
School Captain

Sydney, NSW
2018 – 2019

- Charged to lead the prefect team in organisation of varying events such as fundraising school activities.
- Organisation of prefect meetings and delegating tasks to prefects for school duties.
- Organised Cancer Research fundraiser where food stalls were set up and sold food for.
- **Lessons/Skills:** Importance of coordination and communication with colleagues and players as well as management of minors. (WWCC)

SKILLS

Skills:

- C Programming, HTML,, React JS, JavaScript, Python, CSS
- Linux Experience, Git.