

# Arpan Mukhopadhyay

Email: amukhopadhyay02@gmail.com | [linkedin.com/in/arpan-mukhopadhyay](https://www.linkedin.com/in/arpan-mukhopadhyay) | Phone: 0431 412 872

## Professional Summary

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A highly motivated student and aspiring software engineer with a strong passion for learning, software development and building websites and applications that provide a great user experience.

## Education

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### Bachelor of Computer Science (Advanced)

Expected Dec 2023

The University of Adelaide

GPA: 6.0

**Relevant Coursework:** COMP SCI 1102 - Object Oriented Programming, COMP SCI 1104 – Grand Challenges in Computer Science, COMP SCI 2103 - Algorithm Design & Data Structures (current)

## Experience

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### BIECreative

Nov 2021 – Current

Casual Web Developer

- Engineered scalable, responsive, multi-platform and SEO friendly websites for clients using HTML5, CSS3 + BEM, Flexbox, WordPress, Elementor and JavaScript best practises.
- Included SEO, responsive, multi-platform and hosting support, enabling their business to be viewed by any client in the world
- Improved client satisfaction and project turnover rate by approx. 10%

### Self Employed

Dec 2020 - Current

Biology / Programming Tutor

- Tutored clients in HTML, Python, JavaScript, CSS, Flexbox best practises
- Simplified difficult programming concepts including responsive website development, CSS layout, Promises and API requests.
- Taught debugging best practises using Google Chrome inspect element tooling
- Assisted clients in understanding anatomical and neuroscience related terminology and mechanisms.

## Projects

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### E-Portfolio

<https://arpanmukhopadhyay.github.io/main-eport/>

- Designed, developed, and hosted an e-portfolio using semantic HTML5, CSS3 (+BEM) and JavaScript best practises
- Provided support for search engine optimisation for higher indexing through Google's search engine crawler
- Included responsive and multi-platform support to enable the portfolio to be viewed on any platform and device

### Sudoku Solver

- Personal project developed in Python3 to solve a given sudoku board in the form of an mxn matrix
- Utilised elements of Dynamic Programming, Recursion, and backtracking to improve ability to think algorithmically.

## Technical Skills

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**Proficient:** Html5, CSS3 (BEM), SVN, Python3, JavaScript ES6+, npm, Git, GitHub, WordPress, Elementor

**Familiar:** SASS, MATLAB, C, C++, Java

## Extracurricular

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**Societies and Clubs:** Computer Science Club member, Open-Source Collective (Google Developer Student Club) member, Competitive Programming Club member, Code Camp AU: Staff member

**Adelaide CPC Ladder Participant:** Participated in a running ladder created by the Competitive Programming club with questions sourced from the **South ICPC 2020 Division 2 Contest**.

### JPMorgan Chase & Co. Virtual Experience Program Participant 2021 – 7 Hours

- Participated in the open access JP Morgan Virtual Experience with Forage.
- Tasks Completed include:
  - Interface with a stock price data feed
  - Use JPMorgan Chase Frameworks and tools
  - Display Data visually for traders