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| Dhananjay Tewari | [dhannanjaytewari900@gmail.com](mailto:dhannanjaytewari900@gmail.com) • +447435435730  [LinkedIn](https://www.linkedin.com/in/dhananjaytewari) • Southampton, United Kingdom |

**Qualifications Summary**

*Tech-savvy and detail-focused individual with* ***RECENTLY GRADUATED******Bachelor’s degree in Computer Science****; fully committed to utilising academic knowledge and improving overall software solutions.*

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| Software/Web Application Development & Engineering   * Capable of solving coding challenges and creating new user-facing experiences, web applications, dashboards, and back-end services using different technologies.   Algorithms, Databases, & Data-restructuring   * Innate ability to oversee modelling, relational databases implementation, and administration, whilst co-ordinating database connections to websites. | Programming & Project Management   * Proven expertise in integrating software components, deploying systems and programmes, troubleshooting and upgrading existing software, and debugging errors.   Key Strengths   * Possess strong interpersonal, team building, decision making, and effective time management skills; thriving in challenging environments. |

**Technical Proficiencies**

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| Tools/Software: | MySQL | Android Studio |VS Studio |
| Languages: | Python | HTML | CSS | C | JAVA | PHP |

## Education

**Bachelor of Science in Computer Science BSc. (Hons.) –** *Recently Graduated* **|** Birmingham City University

***Grade: 67.07 (2:1)***

## Key Projects

* Banking Systems (*year 1 Python Assignment*): Developed Python-based banking system integrating GUI (Tkinter), classes, and functions with data management via JSON for academic project, enhancing financial transaction processing and user interface.
* Heart Stroke prediction (*year 3 Machine Learning assignment*): Conceptualised machine learning model for heart stroke prediction using Kaggle data, performed data cleaning and preprocessing, and implemented training/testing split and hyperparameter tuning, resulting in accurate predictive model and demonstrating advanced knowledge of machine learning techniques.
* Android studio: Created Android consultation application using Java in Android Studio, utilising fragments, frames, intents, Google Firebase, and SQLite, which enhanced technical proficiency and practical application development skills.
* Foodbank system: (*Innovation Project*): Collaborated on interdisciplinary team to innovate modern food bank system, resolving traditional limitations and integrating web model, demonstrating project management and web design skills.
* Simple Calculator: (*using Python and JAVA*): Engineered simple calculators in both Python and Java, utilising object-oriented Programming skills to implement core arithmetic functionalities, enhancing my coding proficiency in both languages.
* School Database: (*using Python and MySQL*): Designed and implemented school database using Python and MySQL, establishing robust data interaction capabilities and demonstrating effective database management techniques.
* Searching and Sorting Engine: Created Python-based search and sorting engine capable of querying and ranking university data, showcasing advanced algorithmic skills and data processing.

## Professional Experience

**Demonstrator |** Birmingham City University **2022 – 2023**

Regularly update and hone personal knowledge of Python whilst tutoring, enhancing both basic and advanced Programming skills through continuous engagement with language's latest features. Address students' queries during sessions, offering precise advice and hands-on support in debugging and refining code, fostering deep understanding and problem-solving abilities.

* Engaged with students to clarify concepts and provide targeted assistance, ensuring a comprehensive understanding of material.

**Innovation Project |** Birmingham City University **2022**

Developed and adhered to strict schedules for project phases such as design, planning, implementation, and testing, enhancing time management skills under tight deadlines. Gained valuable insights into product strengths and weaknesses through presenting at an innovation festival, informing future improvements in both product development and presentation techniques.

* Enhanced teamwork skills, including effective communication, active listening, responsibility, and honesty, leading to more effective collaboration in various group activities.