**PRACTICE APPLICATION FORM**

**Please note that Appendix A must be completed by your university tutor**

**CONFIDENTIAL**

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| **POSITION APPLIED FOR:** | RESEARCH AND DEVELOPMENT – Computer Science Graduate |

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| **A) PERSONAL DETAILS** (BLOCK CAPITALS PLEASE) | | | | | |
| Surname: | | SHAH | | First Name: | ALAN |
| Title: | | Mr | | Preferred Name: | ALAN |
| University Address:  Wulfruna St, Wolverhampton WV1 1LY, UK  Mobile Number: +44 1902 321000  E-mail address: enquiries@wlv.ac.uk | | | | Home Address: PEPSI COLA, KATHMANDU  Phone Number: 9745612188  E-mail address: np03cs4a2200214@heraldcollege.edu.np | |
| Nationality: | NEPALI | | | If you are not a British passport holder or a European Citizen, or you do not have the permanent right to remain in the UK, you will require a work permit. | |
| Do you need a work permit to be employed in the UK? | | | Yes  No | If you already have a work permit, when does it expire? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­  (Please note that your current work permit may not be valid for this post.) | |

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| **B) DEGREE COURSE DETAILS** | |
| University: University of Wolverhampton | |
| Course: BSc (Hons) Computer Science | |
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|  | Name: Alan Shah  E-mail address: np03cs4a220214@heraldcollege.edu.np  Phone Number: 9745612188 |
| Main Subjects Studied: | Results to Date: |
| Level 4 modules:  -Computational Mathematics  -Fundamentals of Computing  -Internet Software Architecture  -Academic Skills and Team-Based Learning  -Embedded System Programming  -Introductory Programming and Problem Solving  Level 5 modules:  -Collaborative Development  -Distributed and Cloud System Programming  -Numerical Methods and Concurrency  -Object-Oriented Design and Programming  -Concepts and Technologies of Al  -Human - Computer Interaction  Level 6 modules:  -Big Data  -High Performance Computing  -Project and Professionalism  -Artificial Intelligence and Machine Learning  -Complex Systems | 2022-2025 |

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| **C) ACADEMIC QUALIFCATIONS** | | | | | |
| Secondary School/College | Dates | | Examinations taken | Date | Result |
| From | To |
| Nepal Apf School  Herald College Kathmandu | 2015 AD  2020 AD  2022 AD | 2019 AD  2021 AD  2025 AD | NEB  NEB  Studying | 2019 AD  2021 AD  Studying | 3.9 GPA  3.64 GPA  Studying |

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| Other relevant Education or Training Courses, with dates |

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| **D) WORK EXPERIENCE** (Most recent first) | | | |
| Dates  From To | | Employer Name | Position Held & Responsibilities |
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| **E) COMPUTING EXPERIENCE**  Please expand on your experience and knowledge of programming / use of software packages, including relevant examples |
| I'm an intermediate student who understands programming fundamentals and is proficient in at least one programming language. I am capable of writing programs to address issues and am knowledgeable about the usage of data types, control structures, and functions.  I have knowledge of software packages in addition to fundamental programming ideas. Software packages are groups of code that give a software a particular feature. These packages, which are frequently open-source, are simple to install and import for usage in a program. For instance, in Python, I have installed and imported tools like Pandas for data analysis and manipulation and NumPy for scientific computing using the pip package manager.  Along with learning about the significance of version control tools like Git, I also became acquainted with their fundamental operations.  Additionally, I am familiar with the usage of productivity tools for a variety of jobs, including document production, presentations, video and picture editing, graphic design, motion graphics, prototyping, and more, such as Word, PowerPoint, After Effects, Photoshop, Lightroom, Figma, and Alight Motion.  As an intermediate student, I generally have a solid knowledge of programming ideas and have used software programs and tools to address issues and improve the efficiency of my work. |

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| **F) PLANNING, ORGANISING AND DELIVERY**  Give an example of where you were responsible for planning a project or event. Please consider:   * A brief description of the project or event. * Provide details of your planning process. * How did you ensure that attention to detail was maintained? * If you were to undertake the same project or event again, how would you plan it differently and why? |
| I had to organize a project for a school function. The task was to develop a website to advertise the occasion and give guests information.  The project's planning process started with outlining the website's aims and objectives. I had discussions with the event planners to learn more about the event's program, presenters, and sponsors. I also conducted a poll to ask prospective participants what kind of information they would like to see on the website.  The next step was to draft a project plan that detailed duties including designing the website's layout, producing content, and testing the website. I gave team members tasks to do and established due dates for each assignment. To make sure the website was useful and user-friendly, I also came up with a testing strategy.  I created a system of checks and balances to make sure attention to detail was upheld. I gave one team member the task of reviewing the website content, and another the task of reviewing the website layout. I also scheduled frequent meetings with the team to go through the project's development and resolve any problems that came up.  If I were to do the same project or event again, I would redesign the planning process to include more automation. To keep track of the project's progress and manage tasks and deadlines, I would utilize software like Trello or Asana. As a result, team communication would be more effective and the likelihood of mistakes would be lower. I would also look into using website creation tools like Wix or WordPress, since these would make it simpler to develop and maintain the website. |

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| **G) COMMUNICATION**  Describe a situation when you had to communicate an important message to someone. Please consider:   * What method you choose to communicate your message? * Why did you choose to take that approach? * How did you satisfy yourself they understood the message? * How did you respond to any questions or feedback about the message you communicated? * What was it about your communication that you think was most effective? |
| When I was in school, I had to deliver a critical message regarding an approaching test to a group of students. Email was the most effective and efficient way for me to contact a huge number of people at once, so I decided to use it to spread my message. I also requested a copy of the correspondence in writing for my records.  In the email, I gave detailed information about the test, such as the date, time, location, and format. I also gave out preparation materials and a study guide.  I requested that they react to the email with any queries or issues they may have in order for me to be sure that they comprehended the message. I also offered to meet with each of them privately if they wanted further details.  I offered further details as requested and swiftly and properly addressed any queries or comments.  Providing thorough information and resources in the email was, in my opinion, the most beneficial part of my contact. This gave the students easy access to all the material they needed and improved their comprehension of the lesson. Further easing whatever worries they may have had was the promise of private meetings. |

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| **H) ANALYTICAL**  Give an example of when you had to collect and analyse complex data or information? Please consider:   * The approach you took to analyse the data or information? * Any obstacles you encountered? * How successful were you? |
| I successfully completed a coding challenge that required me to implement the merge sort algorithm in Java. My approach was to first divide the array into two halves recursively until each half only had one element. Then, I created a method to combine the two sorted halves of the array. I used recursion to repeatedly divide and merge the array until it was fully sorted. One challenge I faced was understanding how to correctly implement the merge method, but I was able to overcome this by researching the algorithm and practicing with sample data. Although my program was able to sort the array, I realized that using more efficient data structures like LinkedList could have improved its performance by reducing the need to copy elements between arrays during the merge process. |
| **I) INTERESTS, ACTIVITIES AND MAJOR ACHIEVEMENTS**  Please describe any activities you are involved with in your spare time: (including extra-curricular activities / membership in societies / voluntary work etc.), as well as any interests and hobbies. Please provide details of any major achievements or something you are proud of. | |
| In my free time, I enjoy playing guitar and singing as music is my passion. I play both covers and original songs. I also like watching science fiction movies as they inspire and make me think. I have accomplished academically, I have been honored as the best student of the year at Nepal APF School and have succeeded in writing, winning an English Inter School Essay Competition organized by Modern Indian School. I am also an artist and have experience as a professional portrait artist, though it has been some time since I've practiced. I'm looking forward to getting back into art and developing my skills further. Overall, my interests and hobbies are diverse and reflect my love for creativity and self-expression. My academic and personal accomplishments show my dedication to excellence and my ability to succeed in different areas. | |

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| **J) CAREER ASPIRATIONS**  Please explain what attracted you to Macro 4? What are your future career aspirations and how you think this placement position will help you achieve them? Please also explain why you chose to study your chosen field and how this will support your future career path. |
| I was drawn to Catch square because of my interest in data analytics and my love for technology and problem-solving. I find data analytics to be very exciting and essential, and I believe Catch square is an excellent place to gain hands-on experience with current technologies and real-world data. My future goals include becoming a data scientist or business analyst. I think that the internship position at Catch square will assist me in achieving these goals by providing hands-on experience with data and the chance to work on various projects and clients. This will help me to develop a broader set of skills and gain a deeper understanding of the field. I chose to study Computer Science as I am interested in problem-solving, technology and working with data. My computer science education will support my future career path as it gives me a solid foundation in the technical skills required for data analytics. Overall, working at Catch square will provide me with the opportunity to gain valuable experience in data analytics, an in-demand field with a wide range of career opportunities and will help me to achieve my future career aspirations and utilize my computer science background to the fullest. |

**OTHER INFORMATION**

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| **K) DISABILITIES**  If selected for interview, do you require any special arrangements to be made on account of your disability? | Yes  No |
| If “yes”, please give brief details of the effect of your disability on your day-to-day activities. Please provide any other information that you feel would help us to accommodate your needs during your interview and fulfil our obligations under the Equality Act 2010: | |

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| **L) REHABILITATION OF OFFENDERS ACT 1974 (EXCEPTIONS) ORDER 1975**  Have you any convictions that are not spent under Rehabilitation of Offenders Act? | Yes  No |
| If “yes”, please provide further details: As this post is covered by the Rehabilitation of Offenders Act 1974 (Exceptions) Order 1975, both spent and unspent convictions must be declared: | |

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| **K) REFERENCES** | | | | |
| **Referee 1** |  | | **Referee 2** |  |
| Title: | Mr. | | Title: | Mr |
| Full Name: | Manish Deuja | | Full Name: | Yuba Raj Parajuli |
| Job Title: | Lecturer | | Job Title: | Principal |
| Organisation | Herald College Kathmandu | | Organisation: | Nepal APF School |
| Address: Bhagwati Bahal, Naxal, Kathmandu | | | Address: Kirtipur-4, Kathmandu | |
| Tel No: 01 59700120 | | | Tel No: 01 5213003 | |
| E-Mail address: manish.deuja@heraldcollege.edu.np | | | E-Mail address: nepalapfschool@gmail.com | |
| Please state if we may obtain this reference prior to interview | | Yes  No | Please state if we may obtain this reference prior to interview | Yes  No |

**DECLARATION**

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| I declare that the information given in this application form is true and complete. I understand that if I have given any misleading information on this form or made omissions, this will be sufficient grounds for terminating my industrial placement. | | | |
| Name: | Alan Shah |  |  |
| Signature: |  | Date: | 19/01/2023 |
| The information provided by you on this form may be processed for purposes permitted by the General Data Protection Regulation. You have, on written request, the right to access personal data held about you. | | | |

**APPENDIX A**

TO BE COMPLETED BY AN APPROPRIATE UNIVERSITY TUTOR, SUPERVISOR OR OFFICIAL

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| **Student Name:** | **Alan Shah** |
| **University:** | **University of Wolverhampton** |
| **Course Title:** | **BSc (Hons) Computer Science** |

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| **Stage reached and progress made in course** |
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| **Please give your view on the applicant’s suitability for the placement they are applying for** |
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| **Any other information relevant to this application** |
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| **Your Name:** |
| **Position:** |
| **Signature : Date:**Click here to enter a date. |