**Action Plan Template**

**Where do I want to be by the end of this period/year?**

**What do I want to be doing? (Include as many learning needs as required to achieve agreed objectives)**

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| What do I want/need to learn?Provide a specific description of the desired changes (e.g. skills to gain, knowledge to acquire, topics/themes/content to cover) | What do I have to do to achieve this?Some examples, a new/ongoing course, conference, self-development (like wider research or reading), coaching/mentoring, job shadowing | What resources or support will I need?Some examples, teaching staff support, library support, student advisor support, line manager, etc. | How will I measure success?Some examples, appraisals, course assessments, team feedback, tutor feedback | Target dates for review and completionNote that these need to be realistic/achievable |
| Machine Learning-driven classification of data on Apache Cassandra NoSQL database as a new trend in the software industry | I will need to complete my final dissertation project successfully. | I will need to install related open-source libraries in Python and use a local instance of the Apache Cassandra database for development and testing purposes. | I will need to achieve a grade of at least 70% in my final dissertation project to ensure that its scientific rigour and impact are excellent. | End of September 2023 |
| Production-grade Software Engineering | I will need to complete my final dissertation project based on object-oriented programming (OOP), modular, and leverage unit testing for the software to be production grade. | I will need to leverage OOP-related design patterns and specialised libraries in Python for rigorous backend engineering and unit testing. | I will need to achieve a grade of at least 70% in my final dissertation project to ensure that the quality of the software delivered is excellent. | End of September 2023 |