**ePortfolio and Professional Self-Assessment**

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**Link to ePortfolio:** <https://github.com/akmagar/anandamagar.github.io>

My ePortfolio contains the original artifact, code review, enhanced artifacts, narratives, and professional self-assessment.

This CS-499 class has helped me to learn many things. In this class, I have worked in building a complete application for “Online Shopping Cart” in Java programming language and taught me to the importance of ePortfolio. Throughout the whole course, I have used this application for all of the categories; data structures and algorithms, software design and engineering, and database. For the software design and engineering category, I have translated my original “Online Shopping Cart” in Java to the Python language. This translation of application to the Python language provided me the opportunity to work in Python which I had mostly forgotten of. This helped me relearn the core concepts of the Python programming language. This work in translating to the different programming language helped me to show my skills in other programming language and proved that I can work in multiple programming languages. For the data structures and algorithms category, I have used the same “Online Shopping Cart” application in Java, where I used binary search and array for the added functionality. This helped me to re-visit the data structures and algorithms topic and learn more about this topic. The successful enhancement of this demonstrates my skills in the area of algorithms and data structures in Java language. For the database category, I have used the same “Online Shopping Cart” application, where I added the authentication functionality using SQL database. In this application, I used the already worked enhancement with data structures and algorithms and added the database connectivity. So, this is a complete application with data structures and algorithms and the database. This helped me to learn in connecting the Java application to the SQL database. The successful completion of this enhancement demonstrates my skills of creating the complete application using the data structure and algorithms and database.