Mihir Patel

CS 499

Prof Sherin Aly

July 21, 2025  
 I see my ePortfolio as a great way to show who I am as a developer—not just what I’ve done, but how I think. It gives me a space to present real projects like my Customer Churn Analysis and talk through the process behind them. I think this adds a lot of value during interviews or when applying to roles, especially since employers can get a hands-on look at my work.

To stay on the safe side, I’ve removed anything sensitive like credentials or company-specific data. I’ve also been careful about what I post publicly—nothing that violates terms or looks like proprietary information. I’ll add clear documentation and maybe even licensing if needed.

The only downside I can think of is the risk of someone copying my work without credit, but honestly, the benefits of putting myself out there outweigh that risk. Right now, I feel confident in the outcomes I’ve hit in software design and databases. I’m still refining my work around algorithms and data structures, mainly improving logic and structure for better clarity and efficiency.

|  |  |  |  |
| --- | --- | --- | --- |
| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | Churn Analysis.ipynb | Churn Analysis.ipynb | SQL scripts for Snowflake schema creation and views |
| **Status of Initial Enhancement** | Completed enhancements like modularizing code, adding logging, error handling, and docstrings | Refactored bucketing logic and added churn risk calculations; considering more efficient structures | SQL view added for analysis; table created; cleaned up logic and column naming |
| **Submission Status** | Submitted for Milestone One | Submitted for Milestone One | Submitted for Milestone One |
| **Status of Final Enhancement** | Planning to add unit testing and config file support | May add caching or dictionary optimization for bucketing logic | Might automate Snowflake COPY INTO pipeline or parameterize schema |
| **Uploaded to ePortfolio** | Draft uploaded with explanation | Draft uploaded with explanation | Draft uploaded with explanation |
| **Status of Finalized ePortfolio** | Still under review – final polish needed for visuals and descriptions | Refining narrative explanation and linking it to course outcomes | Still under review – final polish needed for visuals and descriptions |