Using AWS (Amazon Web Services) for my machine learning capstone project on a music recommendation system can provide with a scalable and powerful infrastructure. leverage AWS services for this project:

- **1. Amazon S3 (Simple Storage Service):** Store and manage your datasets (Spotify and Genius Track Datasets) securely in Amazon S3 buckets. This ensures reliable and scalable storage for your project's data.
- **2. Amazon EC2 (Elastic Compute Cloud):** Deploy virtual machines on EC2 instances to run your machine learning models and algorithms. EC2 instances can be tailored to your project's computational requirements.
- **3. Amazon RDS (Relational Database Service):** If your project involves additional user data or interactions, use RDS to set up a relational database to store user preferences, historical interactions, and other relevant information.
- **4. AWS Lambda:** Lambda functions can be used for serverless computing, enabling you to process data, trigger events, and manage your application without the need to manage the underlying infrastructure.
- **5. Amazon SageMaker:** Amazon SageMaker is a fully managed machine learning service that allows you to build, train, and deploy machine learning models quickly. You can use SageMaker for model training, hyperparameter tuning, and deploying your recommendation model as an API.
- **6. Amazon API Gateway:** Create APIs using Amazon API Gateway to expose your recommendation system to users via a web interface. This can help users interact with your system and receive personalized recommendations.
- **7. Amazon CloudWatch:** Monitor and gather insights into your application's performance using CloudWatch. You can set up alarms, track metrics, and troubleshoot issues effectively.
- **8. Amazon Sagemaker Ground Truth:** If you need human annotation for any part of your project, like improving the dataset annotations, you can use Sagemaker Ground Truth to streamline the process.
- **9. Amazon Cognito:** For user authentication and access control, Amazon Cognito can be integrated into your user interface, ensuring secure and managed user interactions.

10. AWS Elastic Beanstalk (Optional): If you're creating a web application for your music recommendation system, Elastic Beanstalk can help you deploy and manage the infrastructure for your application.

By leveraging these AWS services, you can efficiently manage data storage, model training, deployment, user interaction, and monitoring for my music recommendation system capstone project.