**Bytewise Fellow Internship, final document**:

AOA, I am Mahnoor Khan and during my three-month Flutter Fellow internship, I had the opportunity to dive into various aspects of Flutter development, including Firebase integration, working with APIs, local storage management, creating animations, etc and building a complete application from start to finish. This document summarizes the valuable skills and knowledge I gained in these areas throughout my internship.

* Firebase Integration: During my internship, I learned how to leverage Firebase to add powerful backend functionality to Flutter applications. I explored Firebase Authentication, allowing users to sign up, log in, and authenticate securely within the app. Additionally, I integrated Firebase Realtime Database or Cloud Firestore to store and retrieve data in real-time, providing seamless synchronization across multiple devices.
* Working with APIs: I gained hands-on experience in integrating external APIs into Flutter applications. This involved learning how to make HTTP requests, handle responses, and parse JSON data.
* Local Storage Management: Throughout the internship, I learned about local storage management using Hive. I grasped the concept of persisting data locally on the device, enabling offline access and improved performance, by making a todo app and a calculator.
* Creating Animations: I explored the Animation learning how to define animation sequences, control their duration etc, and apply them to various UI elements. By implementing animations, I enhanced the user experience by adding interactivity, and good visual effects to the application.
* Full App Development: One of the highlights of my internship was the opportunity to develop a complete application from start to finish. This involved designing the app architecture, implementing various features, integrating APIs and Firebase, handling user authentication, managing data storage, and creating a polished user interface.

Inshort My Flutter Fellow internship was an enriching experience that provided me with diverse amount of skills in Flutter development. Through integrating Firebase, working with APIs, managing local storage, creating animations, etc and finally building a full-fledged application, I developed a deep understanding of these core concepts.