1.	Record Nr.	UNINA9911049066403321
	Autore	Selvaraj Sivaraj
	Titolo	Advanced Flutter : Build High-Performance, Cross-Platform Apps for Mobile, Web and Desktop / / by Sivaraj Selvaraj
	Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2025
	ISBN	979-88-6882-105-9
	Edizione	[1st ed. 2025.]
	Descrizione fisica	1 online resource (573 pages)
	Collana	Professional and Applied Computing Series
	Disciplina	005.1
	Soggetti	Open source software Mobile computing Internet programming Open Source Mobile Computing Web Development
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Chapter 1: Flutter Overview and New Features -- Chapter 2: Advanced Widget and UI Design -- Chapter 3: Performance Optimization and Profiling -- Chapter 4: Advanced State Management -- Chapter 5: Custom Rendering and Painting -- Chapter 6: Integration with Native Code -- Chapter 7: Web and Desktop Enhancements -- Chapter 8: Networking and API Integration -- Chapter 9: Advanced Animations and Transitions -- Chapter 10: Flutter for Machine Learning and AI -- Chapter 11: Security and App Hardening -- Chapter 12: Advanced Testing and CI/CD for Flutter -- Chapter 13: Flutter for Embedded Systems -- Chapter 14: Flutter in the Enterprise Environment -- Chapter 15: Flutter for Internationalization and Localization -- Chapter 16: Deploying and Maintaining Flutter Apps.
	Sommario/riassunto	Advanced Flutter is an essential resource for developers looking to take their Flutter skills to the next level. This book delves into the advanced features of Flutter 3.4, guiding you through the process of building high-performance, cross-platform apps for mobile, web, and desktop. With a focus on the latest updates, you'll master complex UI designs, advanced state management solutions, and performance optimization

techniques. The book covers a wide range of topics, including integrating native code, implementing modular architecture, and building secure, scalable applications. You'll also learn how to incorporate machine learning models with TensorFlow Lite, create custom animations, and ensure seamless user experiences across platforms. Every chapter is packed with practical examples, real-world use cases, and hands-on techniques to help you apply advanced concepts to your projects. By the end of this book, you'll be equipped with the expertise needed to build enterprise-level applications or cutting-edge indie projects. With a focus on best practices for debugging, performance profiling, and progressive web apps, this guide will transform your workflow and ensure that your apps are modern, efficient, and innovative. Unlock the full potential of Flutter and elevate your app development skills. You Will: Master the latest enhancements and features introduced in Flutter 3.4 to leverage new capabilities in your applications Study the integration with Native Code and Machine Learning Explore custom Widgets and Animations Learn strategies for profiling and enhancing the performance of your Flutter applications to ensure smooth user experiences.