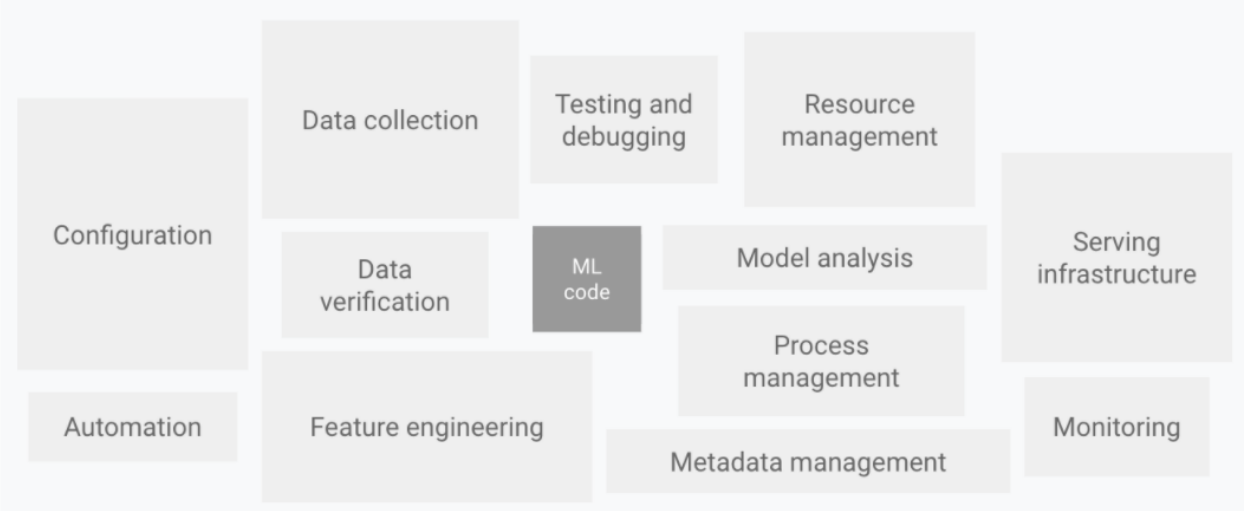
Who's This Course For?



Machine learning can be a game-changer for a business, but without systemization, it can soon devolve into a scientific experiment. The major issue isn't building an ML model. It's putting together an integrated ML system and keeping it operational -- that's where MLOps comes in.

MLOps is a method for ML professionals to collaborate and communicate in order to manage the production ML lifecycle. It is a culture and practice in machine learning engineering that tries to bring together the creation and operation of machine learning systems (Ops).

While developing a model to meet business objectives (item classification or predicting a continuous variable) and deploying it to production is relatively simple, the reality is that only a small portion of a real-world ML system is made up of ML code, as seen in the picture above, and operating that model in production presents a slew of challenges. The surrounding elements are wide and complex, necessitating the effective and systematic collaboration of a team of Data Scientists, developers, and operations professionals. Furthermore, while engineers can improve their machine learning skills by taking one of the thousands of courses available online, there are few resources available for **business leads, subject matter experts, data scientists, data engineers, ML architects, software developers and maintainers, etc.** to understand MLOps.

Our aim in this course is to provide you with the resources needed to design and deploy integrated ML systems and keep them operational. As such, we first introduce learners to the fundamental concepts of machine learning operations (MLOps). Second, we want to prepare you for the future by introducing you to Embedded MLOps. Embedded machine learning is one of the fastest-growing fields within applied ML and it comes with its own unique set of challenges and opportunities. If you are interested in deploying and scaling Edge AI technologies, then this course is for you!