

## Chapter 2

### Literature Survey

An integrated software is a software for general use that combines the commonly used functionalities of many other software programs in a single application. Preparation of Technology integrated system has become essential these days to build any proper software product. Especially SaaS (Software as a Service) product focuses more into modern GUI. Since standalone products are often cannot hit the mark, or it become hard to use as well as maintain due to complexity. Thinking about easy accessible UIs J. Road et. al. brought the concept of End-user development tool [11]. Focusing on several Macro Models instead of a complete system at a time is another approach recalled by Mohamadi et. al. [12].

In 1980, first integrated software was introduced by few companies like Vizstar, Jane etc. Android was released first on December, 2014. Since then, several tools for Android Application Development was introduced [7]. Android studio for stable android system development was introduced thereafter [6]. Introduction of virtual emulator to the present stable SDE kit was an efficient step towards smooth development.

From past several years, comparison between several machine learning algorithms for a specific problem was a trend toward better performance architecture [9]. Similar way was followed by Sebastian et. al. for comparative solution of Monk's Problem [13]. Using proper modelling technologies, combining machine learning with full stack development has become an emerging way to solve several problems [10].

To overcome the SQL vulnerable injection, use of JSON formatted NoSQL database not only makes it a safer option, but provides more reliability and reduces delay in channel [8]. Secure non repeatable object id for primary key access is also an advantageous approach toward better development process.

Introduction to Augmented Reality in software development aspect [5] and using in a software product became useful for gaining popularity for fields like advanced gaming, one shot detection procedure, e-commerce sectors. But the introduction of AR in security and privacy protection fields [2] helped a system to achieve an added layer of protection over normal measures.

Starting from simple cloud storage services [3] like google drive, MS One Drive, Mega, now a days several cloud system provides additional computational spaces for several deployment

and heavy works. Which provides faster globally accessible services and secure data transfer pipelines.

*Summary*

From all the surveyed past works and visualizing workflow of a combined system provided a clear view of several technology integration and how it can be useful for real life implementation.