

Revolutionizing IT with Cloud Computing Development

Vinay Singhal¹, Dr. Vishal Shrivastava², Dr. Akhil Pandey³, Dr. Vibhakar Phathak⁴

B.TECH. Scholar, Department of Information Technology¹

Professor, Department of Information Technology^{2,4}

Assistant Professor, Department of Information Technology³

Arya College of Engineering and I.T., Jaipur, India

vinaysinghal.se@gmail.com, vishalshrivastava.cs@aryacollege.in,

akhil@aryacollege.in, vibhakar@aryacollege.in

Abstract: *Cloud computing is a one of the most emerging technologies. It is at top of list in different areas of computer science because of its far-reaching involvements in computing, especially Big Data, Data Science. Cloud computing is the delivering many services through the Internet which include applications like data storage, databases, platforms, infrastructure and many more. Cloud computing is a complete combination of software, computation, data access and also provides storage services with on-demands resources. This paper gives a complete overview about Cloud Computing, its architecture, along with different services include in cloud computing. This paper also describes some of the advantages and disadvantages related to the cloud computing. The application area of cloud computing is continuously increasing very rapidly. Cloud Computing is a wonderful and intelligent technology in today's date. Many people and businesses use cloud for a number of reasons such as efficiency, high computing power and security, high performance, increased productivity, cost savings*

Keywords: Cloud, Architecture, IaaS, PaaS, SaaS, Private cloud, Public cloud, Hybrid cloud, Cloud Computing

