



5 Courses

**Introduction to Software Engineering**

**Hands-on Introduction to Linux Commands and Shell Scripting**

**Getting Started with Git and GitHub**

**Python for Data Science, AI & Development**

**Developing AI Applications with Python and Flask**



Dec 29, 2023

**Shah Fahad**

has successfully completed the online, non-credit Specialization

# Applied Software Engineering Fundamentals

The earner of this certificate demonstrates mastery of fundamental concepts in Software Engineering including knowledge of the Software Development Lifecycle, and the roles, tools, and technologies used to develop, test, and deploy software. The learner can write code using basic programming constructs in Python and develop, deploy, and package simple Python web applications. They have shown effective use of Git and GitHub repositories as well as creating and executing Bash and Shell scripts with basic Linux commands and the terminal window.

Rav Ahuja,  
Program Director,  
IBM Skills Network

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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