



# **AREA OF INTEREST FIELD**

by

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# About MySelf

This is Pooja Kumari, final year undergraduate of Software Engineering at Mehran UET, Jamshoro bearing the interest in graphic designing, having experience in AI and Python along with other productive activities.

# Introduction

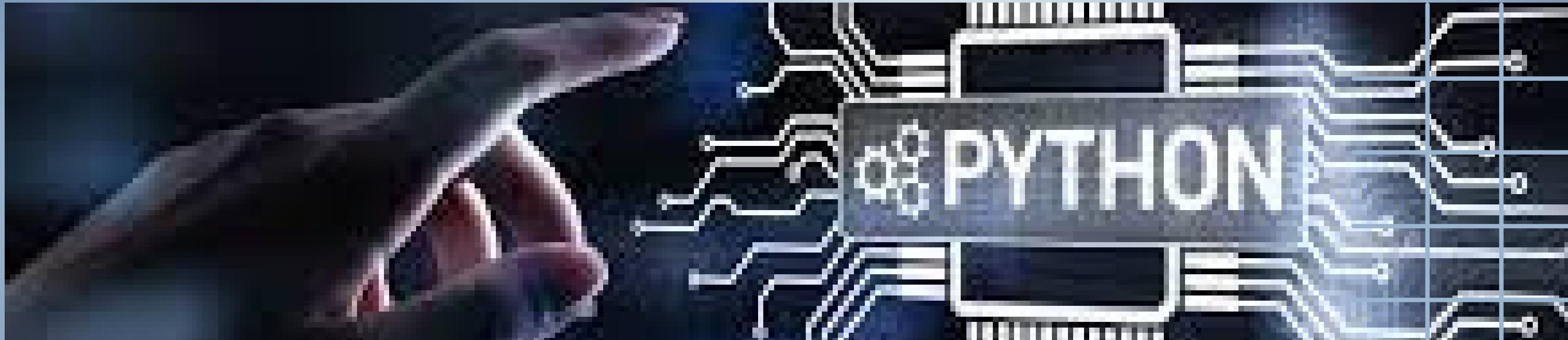
Beginning my journey as an undergraduate in software engineering was a trial of trying different technologies for me. Initially, I was not supposed to become familiar with C++, DSA, and Database. But, my first aim was to try my hand on graphics so I tend toward graphic designing, and then MUET avail students Coursera and by chance I got familiar with Python and my interest grew up with the passage of time and I set this field as my career path.



# Field of Interest

## Python

Python is the scripting language mainly used for backend and AI-based applications. It has an advantage over other languages as it contains multiple libraries and has a greater community support.



# How I get there?

*Initially, when Mehran UET availed the Coursera courses in the time of lockdown due to pandemic, I enrolled myself in Python and then I found that it is easier and comprehensible than other languages along with powerful implementations.*



# What seems fascinating in Python?

*The main advantages of Python include its huge community support and a increasing number of third party packages. Besides, it has implementation in AI and data science and it has more life cycle than that of other programming languages.*



# My current achievements in Python

*I feel honoured to mention that I have done stand out progress with self learning in Python. I have got certification from University of Michigan in Python Advance. I have developed live sketching app in Python, I have also developed volume controller by hands in Python OpenCV. Other than these, I have also attempted multiple Python code challenges and DSA.*

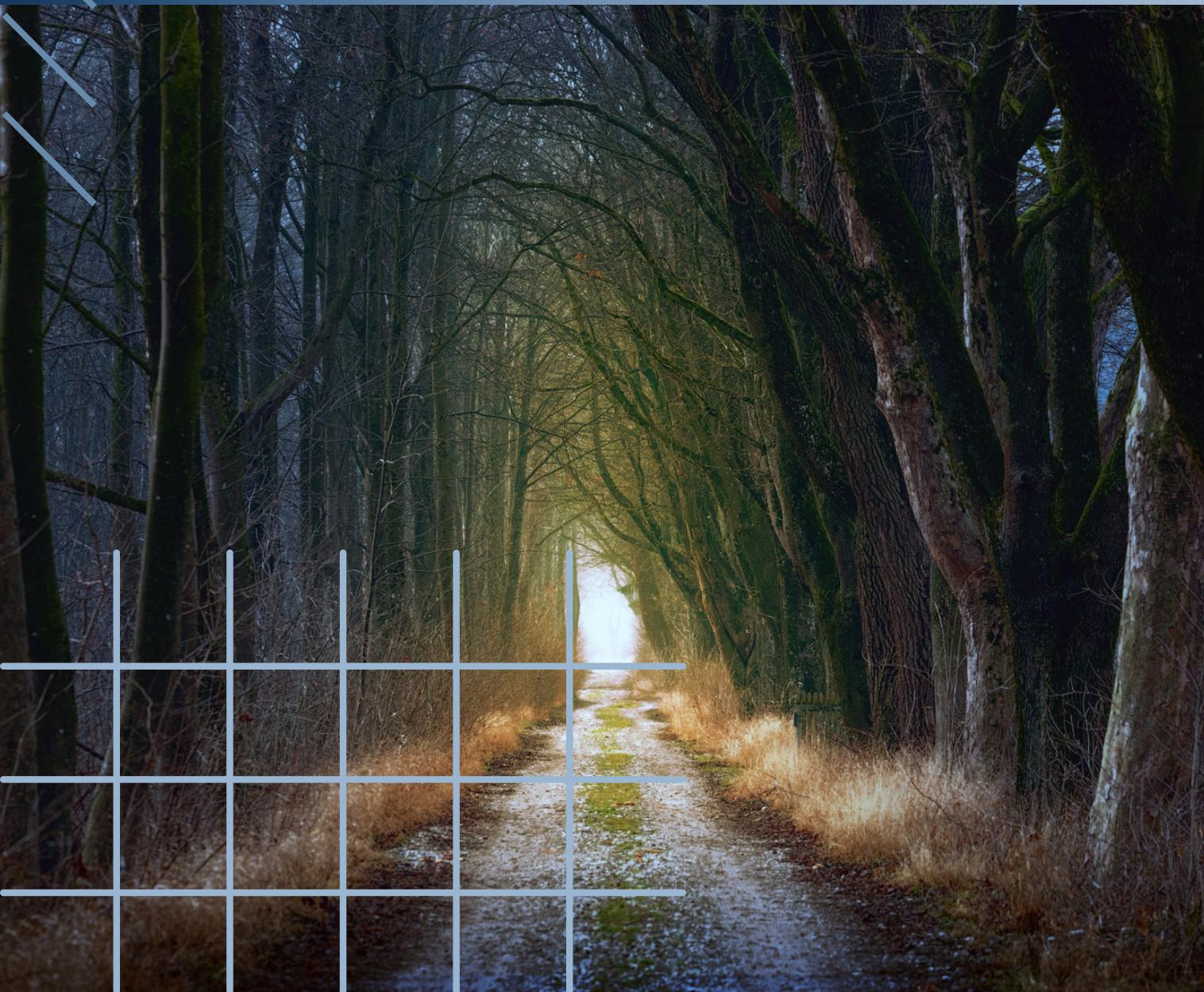


# Reason to choose Python

*I have chosen Python due to my interest in Artificial Intelligence and Natural Language Processing. The implementation of Python in both of these fields was more impactful and everlasting than other programming languages. Also, Python was more comprehensible to me and I have got a point where I perceived that it is the only language in which I can get excellence.*

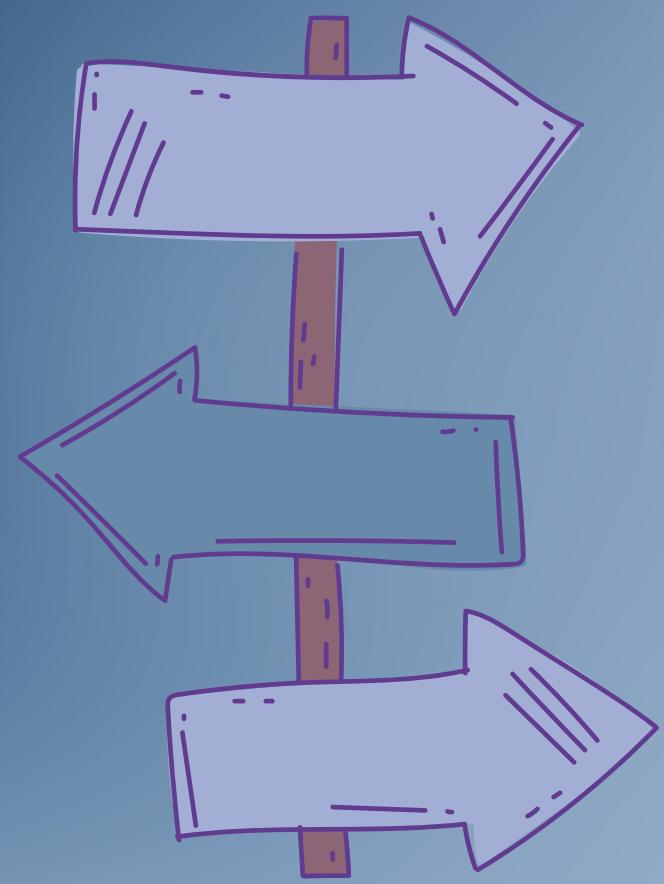


# Pathways I followed for Python



- For me, the course of Python offered by Coursera was a beginner's guide. After that I explored Youtube and learned advance topics of Python from CodeWithHarry and Net Ninja. Then, I tried to practice Python challenges from various website viz, leetcode, hackerRank, and geekforgeeks, etc. For OpenCV, I learnt much from Murtaza's Workshop on Youtube. In the end, it was more and more practice to perform that made me more competitive day by day.
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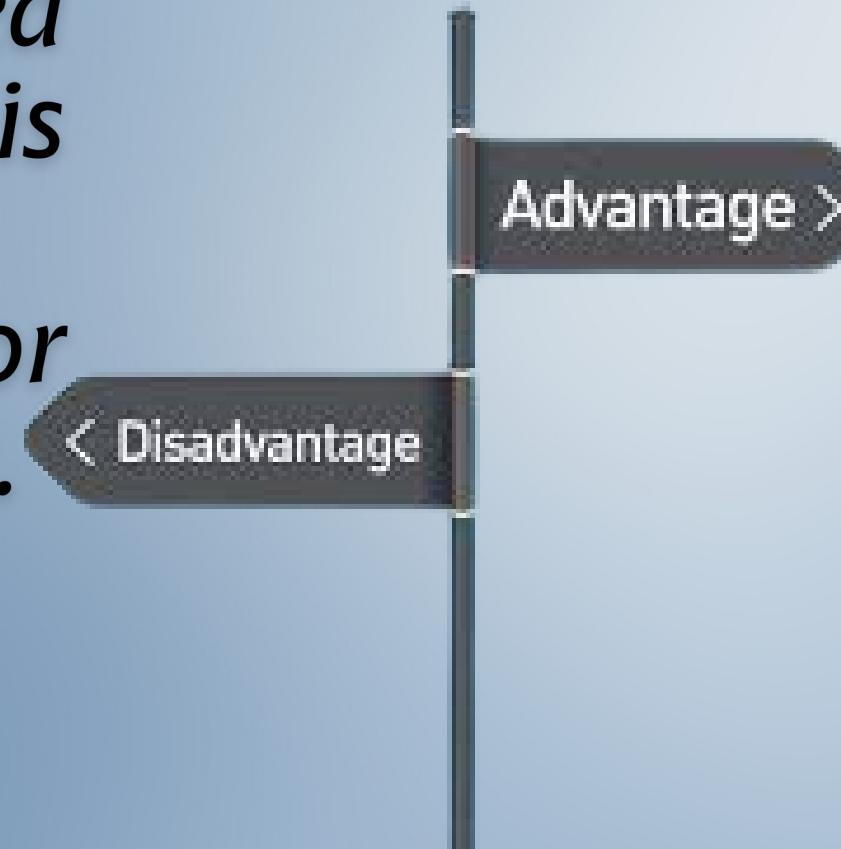
# Guide for others



My only suggestion for those who want to pursue their career in Python is that build your logics first and then practice the language. You only need maximum 2 months to excel a language but what matters the most is that how well you code and use its framework because nowadays learning a programming language is not a job landing thing. So, try to spend more efforts on frameworks and maintain your practice by doing projects and try to code on paper first in your initial days of learning. To sum up, it is all about analysis, understanding, and practice.

## Advantages of Python

- *Python execution speed is slow because it is executed line by line.*
- *It is not suitable for developing mobile apps.*
- *It has many versions.*
- *Use of Indentation.*
- *Scripting Language.*



## Disadvantages of Python

- *It is simple and easy to learn.*
- *It has a strong community support.*
- *It is a toolbox for development.*
- *Many frameworks.*
- *Versatility.*

# Future Trends in Python

Consequently, Python already excels in AI and Data Science but now it has come up with many new frameworks for game development, mobile application development and web browsers. For game development, PyGame is a popular framework, and Kyiv is used for mobile and desktop apps. In the end IoT is the new add on in the list of Python implementations.



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**Thank You  
Very Much!**