



📍 Location: Prabhath Arcade , No. 862 21st C Main
2nd Floor, 8th block Koramangala Bangalore-560095

☎ Contact: +91 9620 903 778

PYTHON

A VERSATILE PROGRAMMING LANGUAGE

Python is a versatile and in-demand programming language used across various industries. Its simplicity, readability, and extensive libraries make it popular for a wide range of applications, opening multiple career paths.



Web Development with Python

Frameworks

Frameworks provide tools that simplify development, enabling developers to concentrate on writing clean code. Django offers a comprehensive set of built-in tools for user authentication, database management, and URL routing. In contrast, Flask is lightweight and modular, allowing developers to select components as needed, making it ideal for smaller or customized projects

Roles

- Web Developer Full
- Stack Developer
- Backend Developer





Data Science C Machine Learning

1

Dominance

Python dominates data science due to libraries like Pandas, NumPy, TensorFlow, and Scikit-learn.

2

Roles

Data Scientist, Machine Learning Engineer, Data Analyst, AI Engineer.





Automation C Scripting

1

Task Automation

Python excels at task automation, making it useful for repetitive tasks and system administration.

2

Roles

Automation Engineer, DevOps Engineer, System Administrator.



AI C Robotics

AI C Robotics

Python is essential in AI, robotics, and rapid prototyping, with libraries like TensorFlow and PyTorch.

Roles

AI Researcher, Robotics Engineer, AI Developer.



Game Development with Python

1

Game Prototyping

Python, with libraries like Pygame, is used for game prototyping and development.

2

Roles

Game Developer, Game Scripting Engineer.

Ständfor





Cybersecurity with Python

Penetration Testing

Ethical Hacking

Malware Analysis

**Cybersecurity
Analyst**

Penetration Tester

Security Engineer



Cloud Computing C DevOps



Cloud-Native Development

Python is key in cloud-native development and automation, used in tools like AWS Lambda.



Roles

Cloud Developer, DevOps Engineer, Site Reliability Engineer.



FinTech C Blockchain

1

Applications

Python is used for building trading algorithms and smart contracts.

2

Roles

FinTech Developer, Blockchain Developer.

