

# Pipal Academy

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Training Programs

# About Pipal Academy

Pipal academy is a collective of experienced technologists, who care deeply about the art of programming. Our trainers are practicing software engineers who are passionate about sharing their knowledge with others.

We offer corporate and public trainings on interesting and relevant technical topics.

# Clients

Our trainings have been attended by people from:

Alcatel-Lucent, Boltell, Cisco, Cleartrip, Dell, EMC Corporation, Global Analytics, Google, HasGeek, IBM, Intel, Juniper, Linked In, Plivo, Sears HQ, Symphony Teleca, Synopsys, Tech Mahindra, VMWare, Yahoo, ZeOmega and many others

References can be provided on demand.

# Courses

# Python Foundation course

**Target Audience:** Experienced programmers who are new to Python.

**Prerequisites:** Familiarity with one or more programming languages. Some experience with a scripting language like perl, ruby or shell is useful but not necessary.

## Topics:

- Basics and control flow
- Native types and data structures
- Modules
- Classes, objects and exceptions
- Testing python programs

# Advanced Python Programming

**Target Audience:** Experienced Python programmers who would like to learn advanced features of the language for building libraries and frameworks with beautiful APIs.

**Prerequisites:** Working knowledge of Python and some practical experience using it. Not suitable for people new to Python.

## Topics:

- Higher order functions and decorators
- Iterators and generators
- Advanced OO programming
- Writing Python libraries
- Python programming patterns

# The git version control system

**Aims:** Introduces the git version control system and teaches how to collaboratively develop software using it.

**Prerequisites:** Familiarity with version control concepts, UNIX shell environment and exposure to software life cycle management

## Topics:

- Git's position in the version control universe
- Basic commands
- Internal architecture and concepts
- Branching, rebasing, merging
- Collaboration
- Administration (optional)

# Deep C

**Aims:** A deep dive into the C Programming language teaching how to effectively use it for systems programming.

**Prerequisites:** Decent familiarity with C, the compiler toolchain and system architecture.

## Topics:

- Toolchain
- Test driven development
- Basic building blocks
- Sequence points and control flow
- Arrays and pointers
- Preprocessor
- Functions
- Program structure



# Our Trainers

# Anand Chitipothu

Anand is a passionate programmer with more than 13 years of experience.

He offers corporate and public trainings on Python programming.

He is the co-author of web.py, a micro web framework in Python.

Anand graduated with a masters in Computational Science from IISc, Bangalore. He has worked at Strand Life Sciences and Internet Archive.

# Noufal Ibrahim

Noufal is a Python programmer specialising in infrastructure and development tools with more than 10 years of experience.

He conducts corporate and public trainings on Python and the git version control system.

He is the founder of PyCon India and the chair of the first two editions of the conference in 2009 and 2010.

# Ramakrishnan Muthukrishnan

Ramakrishnan is a systems programmer with over 15 years of experience.

He offers a course on the C programming language.

He has made contributions to various projects and tinkers with functional programming in his free time.

# Testimonials

“Anand conducted a a 3 days "Python training" program for the Operations Engineers at LinkedIn. The training was very much a hands-on approach and solving problems as we learn. Anand has very deep knowledge on the python internals and was able to break it down to someone who has very little idea about Python. Given the great feedback from all the Engineers, We are planning for the Advanced session in March 2015. I would recommend Anand's training to be a catalyst to learn Python!”

**- Arvind Kota, Sr Manager - Technical Operations at LinkedIn**

“The 3-day hands on course was formulated to suite my team's need. The course was extremely hands on, well structured and highly interactive. Every single engineer enjoyed learning Python in the way Noufal presented. We found Noufal extremely knowledgeable in python.”

**- Bhaktavatsalan Raghavan, Principal Engineer at Juniper networks**

# Contact Information

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