



Welcome to Python for AI & Automation

A 6-week hands-on course by CodePro Software & Web Services

Instructor: Engr. Abrar Hussain

Course Duration: 6 Weeks

Schedule: 3 Days/Week (1 Hour per session)

Contact:

codepro.com.pk,
codepro-soft.com
ecard.codepro-soft.com,
courses.codepro-soft.com

Meet Your Instructor

CEO of CodePro Software and Web Services

- Developed various themes and Website
- Vibscan: IoT based real time dashboard for NTDC in collaboration with MUET
- POS for restaurants
- School Management Softwares and LMS
- Free Bulk email automation software
- Facial recognition based attendance management system
- Body detection system etc



Engr. Abrar Hussain
ME - Telecom & Management

Meet Your Instructor

5 years of experience as Director at Private Institute and Instructor of various courses

- Python Programming
- Frontend Development with HTML CSS, JS and JQuery
- Backend Development with PHP Laravel

Lead 5 Batches of NAVTTC - Prime Minister's Youth Skills Development Program

- 4 years at China Railway Signals and Communication
- 1 year as District IT Officer at BISP
- 25+ certifications (Udemy, Coursera, Google, LinkedIn)

**This course is not funded by any Govt
or Non Govt Organization.**

It's an effort of Team CodePro

Course Objectives

- ✓ Master Python fundamentals, including variables, loops, and functions
- ✓ Work with essential data structures: lists, tuples, and dictionaries
- ✓ Automate repetitive tasks to increase productivity
- ✓ Understand AI basics and how Python is used in AI applications
- ✓ Learn web scraping to extract and analyze real-world data
- ✓ Solve coding challenges and build hands-on mini-projects
- ✓ Gain confidence in Python programming for future learning and careers

Course Structure (6 Weeks)

- Week 1: Python Fundamentals and Understanding Core Concepts
- Week 2: Data Handling - Managing and Processing Data
- Week 3: Automation with Python
- Week 4: Introduction to AI concepts
- Week 5: Web Scraping Basics
- Week 6: Problem Solving with Python - Hands on Mini Project and Challenges

Tools & Technologies

- Python
- NumPy, Pandas, Scikit-learn
- Selenium, BeautifulSoup, smtplib, OpenCV
- TensorFlow, pyWhatKit

Expectations & Learning Methodology

- Hands-on coding
- Project-based learning
- Q&A and support

Python Salaries Worldwide

Average Salary:

USA: \$96,063 base salary; \$120,938 total compensation.

Canada: CA\$80,771 base salary; CA\$86,946 total compensation.

UK: £53,114 base salary; £56,877 total compensation.

Germany: €55,000 base salary; €60,000 total compensation.

Python Salaries Worldwide

Source : [Datacamp.com](https://datacamp.com)

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Python Salaries Pakistan

Source : [worldsalaries.com](https://www.worldsalaries.com), pk.indeed.com

Average Salary:

Junior (0-2 years): Approximately PKR 520,900 per year.

Mid-Level (2-5 years): Approximately PKR 699,700 per year.

Senior (5-10 years): Approximately PKR 1,031,200 per year.

Average Salary in Karachi:

Approximately PKR 76,097 per month.

Popular Job Titles:

- Python Developer
- AI/ML Engineer
- Data Analyst
- Web Developer
- DevOps Engineer

Getting Started!

- First Class: Setting up Python & Running First Script