



kodland

CERTIFICATE OF EXCELLENCE



Christopher Alexander Medinilla Valenzuela



successfully graduated

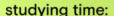
Python PRO course

(Consists of 40 classes)

Took 1st place in the group.



Founder of **Kodland A.Nosulich**



06.12.24 - 19.09.25

kodland

Python PRO

The course's duration: 40 lessons (3600 min)

∠ Learning programme:

Module 1

A Discord Bot that Works Without Weekends. (540 min).

Result: The student created their own open-source bots that can help young Discord users!

Module 2

Websites and clouds. Let's learn what back-end development is all about! (900 min)

Result: The student created their own websites that will help them monetise and promote their projects.

Module 3

Mastering the Al! Let's teach the machine to think and see! Learn what interactive Python is and how to get results here and now. (720 min)

Result: The student identified a relevant issue that can be solved with Al technology, proposed a solution, and trained their own artificial intelligence to solve the issue.

Module 4

Al is everywhere! Integrating Al into ready-made applications (360 min)

Result: The student replaced an algorithm in one of their projects with artificial intelligence.

Module 5

Advanced Project Management; learning to work in teams! (360 min)

Result: The student developed skills in effective project management, acquired an indepth understanding of team processes, and learned to solve problems in well-organised groups. With these skills, the student is ready to tackle real team projects.

Module 6

Exploring Python's speech synthesis technologies and optimising our code (360 min)

Result: The student learned how to synthesise speech in Python and created a bot with speech synthesis capability. The students also learned the essential principles of clean code and gained skills in code refactoring.

Module 7

Hackathon: Coding and solving the problem of global warming! (360 min)

Result: The students will independently propose a solution to a given problem, implementing the said solution in any of the available ways.

Python PRO

kodland

The course's duration: 40 lessons (3600 min)

Output Completed projects:

- A translator Discord bot
- A password generator Discord bot
- A Discord bot that sends memes in the channel
- A Discord bot aimed to solve the problem of environmental pollution
- A Discord bot that voices the weather forecast
- A Discord bot that voices interesting facts
- A web calculator for a smart home
- A web service for creating memes
- A website that allows the user to keep personal records
- A portfolio website

- An intelligent photo editing app
- Script for analysing news in the world of technology
- Service for identifying bird species by photo
- An artificial intelligence model for solving your daily tasks
- Discord bot with Al
- Website with Al
- Final project (360 min)

Python PRO

kodland

- The course's duration: 40 lessons (3600 min)
- Developed Hard Skills:

Python

- Fundamental Language Structures (Advanced)
 - Lambda functions and generators
 - File handling
 - Exceptions Handling
 - Speech synthesis
 - Code refactoring
 - The ability to review code
- 2 OOP
 - Classes and objects
 - Methods
- 3 Libraries
- Working with APIs
- 5 The understanding of PEP-8

Project Management:

- Working with IDEs
 - Installing and configuring an IDE
 - Creating a new project
 - The ability to work in collaborative environments
- 2 Version control and management system
 - Creating and setting up a GitHub account
 - Working with GitHub's Web Interface
 - Integrating version control systems with IDEs
 - The knowledge of basic Git commands: commit, push, and pull
 - The ability to work with Git's branches
- The knowledge and the ability to apply Agile and Scrum methodologies

Python PRO

kodland

The course's duration: 40 lessons (3600 min)

Artificial Intelligence and Machine Learning:

• The fundamentals of Machine Learning

Web Development:

- The basics of layout design
 - The ability to create and modify simple HTML templates

The Fundamentals of Graphic Design:

The general understanding of UI/UX design

Developed Soft Skills:

Communication skills

- The ability to offer effective feedback
- Establishing teamwork-oriented relationships with peers
- The ability to promote ideas

2 Teamwork

- The ability to allocate tasks within the team
- The ability to synchronise development with the rest of the team
- The ability to prioritise tasks and meet deadlines
- The ability to form teams with clearly-defined roles

Oritical Thinking

- The ability to analyse information
- The focus on conscious decision making
- The ability to work with unstructured information
- The development of logical and abstract thinking

Time and project management

- Task decomposition
- Planning
- Resource Management