CERTIFICATE
OF EXCELLENCE

kodland

Christopher Alexander Medinilla Valenzuela

successfully graduated

Python PRO course

(Consists of 40 classes)

Took 1st place in the group.

1st

studying time: 06.12.24 - 19.09.25

Founder of Kodland
A.Nosulich

Python PRO

kodland

⏱ 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 AI! 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 AI technology, proposed a solution, and trained their own artificial intelligence to solve the issue.

Module 4 AI is everywhere! Integrating AI 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 in-depth 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)

✅ **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 AI

- Website with AI

- Final project (360 min)

Python PRO

kodland

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

🗓 Developed Hard Skills:

Python

1 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

4 Working with APIs

5 The understanding of PEP-8

Project Management:

1 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

3 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:

① 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:

① 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

③ Critical 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

④ Time and project management

- Task decomposition
- Planning
- Resource Management