



# Katiusha Onori

**Nationality:** Italian **Date of birth:** February 1st 2006 **Gender:** Female

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 **Website:** [www.katiusha.it/eng](http://www.katiusha.it/eng)  **Address:** Rome (Italy)

## ABOUT ME

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Student in scientific area with 3 years of practical experience in programming. Skills in different programming languages, explored in depth by working on various projects, both at an academic and personal level.

## DIGITAL SKILLS

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**Python developer** Python / MongoDB / MySQL / Machine Learning / Matplotlib / NumPy / Pandas / Scikit-learn

**Other proficiencies** HTML5 / CSS / JavaScript / GitHub / Git / PHP / Office Suite (Excel, Word, PowerPoint)

**Graphics and Illustration** Adobe InDesign / Adobe Illustrator / Clip Studio Paint

## PROJECTS

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### **Math Chatbot** [ 04/07/2024 – 09/07/2024 ]

Interactive chatbot that can answer theoretical mathematics questions on various topics by selecting answers from some json extension files. The answer is established on the basis of the question asked by the user and on certain keywords that must be used in formulating the question.

- Each response has words that are more valuable to increase accuracy.
- The chatbot is capable of holding a basic conversation.
- In case the question does not have an available answer, it randomly returns a suitable answer.
- Allows you to select the topic.
- It manipulates the input string to identify used words.

**Link:** <https://github.com/kitkat-py/Math-Chatbot>

### **Scientific calculator with graphical user interface** [ 07/05/2024 – 13/05/2024 ]

Scientific calculator developed with Python integrated with the Tkinter library to design the graphical interface. It has the particularity of knowing how to manage the result by processing it and rewriting it in a more visually pleasing way.

- It approximates the result or rewrites it as a base ten power.
  - It manages the presence of errors.
  - Input is handled by both on-screen buttons and the keyboard.
  - The text shown is customized and the default symbols of the Python calculation operators are also modified.
- For this project, it was essential to know how to manage and manipulate lists, as well as having solving and learning skills to remedy any errors or to implement new unique features.

**Link:** <https://github.com/kitkat-py/Scientific-Calculator>

### **Personal website** [ 03/06/2023 – 26/06/2023 ]

Creation of a personal website for illustrative purposes. Use of HTML5, CSS, JavaScript and PHP to create an interactive and dynamic website interface on different devices. Use of Adobe software (Adobe Illustrator and Adobe InDesign) to design the graphics and create icons that can be used in the site structure.

**Link:** [www.katiusha.it/eng](http://www.katiusha.it/eng)

## EDUCATION AND TRAINING

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### **Python Developer** *W3Schools* [ 2024 ]

**Website:** <https://www.w3schools.com/>

- Complete course on how Python works from the basics to database management.
- Machine Learning and data science.
- Important libraries such as Matplotlib, NumPy, Pandas and Scikit-learn.

- Database management with MySQL and MongoDB
- File management including documents or json and csv extensions.

### **Git Practitioner** *W3Schools* [ 2024 ]

**Website:** <https://www.w3schools.com/>

- Project management with Repositories.
- Control and track changes with Staging and Commit.
- Branch and Merge to allow you to work on different parts and versions of a project.
- Pull and Push to transfer project versions to local copies or to Github.

### **Student** *Liceo Scientifico Statale Democrito* [ 14/09/2020 – Current ]

**City:** Rome | **Country:** Italy | **Type of credits:** School | **Number of credits:** 25/25

Broad knowledge of scientific and humanistic subjects with an overall average rating of 9.17 out of 10 in the fourth year.

## **LANGUAGE SKILLS**

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**Native language:** Italian

Other languages:	Understanding		Speaking		Writing
	Listening	Reading	Spoken production	Spoken interaction	
<b>English</b>	C1	C1	B2	B2	B2
<b>Spanish</b>	B1	B2	A2	A2	A2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## **WORK EXPERIENCE**

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### **Illustrator** [ 2021 - 2024 ]

**City:** Rome | **Country:** Italy | **Business or Sector:** Arts, entertainment and recreation

Caricatures, portraits, landscapes and objects commissioned to be drawn freehand.

- Ability to adapt according to customer requests.
- Understand and interpret customer specifications to create illustrations that meet their needs.
- Manage time to complete projects within set deadlines.
- Receive and incorporate customer feedback constructively.
- Work independently and maintain motivation to complete projects without direct supervision.

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