

# Nikolas B Virionis

## Python Developer and Data Engineer

Last update: June 12, 2023

Up-to-date version of CV is available at  
<https://nikolas-virionis.github.io/cv>

I am currently working as a Python/AWS Data Engineering Intern and hold three official AWS certifications. I am highly committed and dedicated to continuously enhancing my knowledge to make valuable contributions to projects and the people I work with. I strongly believe in the power of a collaborative environment, which not only benefits everyone involved but also brings great pleasure and mutual respect in helping and teaching eager-to-learn peers.

Python

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PySpark

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English

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AWS

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SQL

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Pandas

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Infrastructure as Code

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IaC (AWS CDK)

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## Professional Experience

Jan/2022 ~ Present

### Data Engineering Intern at yHub

As a Data Engineering Intern at yHub, I gained invaluable hands-on experience in building cost-effective data pipelines using mostly serverless AWS Services. Collaborating closely with the team, I actively contributed to end-to-end development, problem-solving, and maintenance of the projects. Leveraging my skills in Python, Pandas, and PySpark, I implemented best practices to ensure efficient and scalable data processes. I proactively sought opportunities for improvement and successfully achieved three AWS Certifications in a few months of my professional career, allowing me to actively participate in solution discussions and make humble contributions to the team's success. Through my involvement in critical projects, I supported data-driven decision-making and enhanced my technical expertise while fostering effective collaboration within cross-functional teams.

Python

PySpark

AWS

SQL

Infrastructure as Code

AWS CDK

## Education

Jan/2021 ~ Dec/2024

### Bachelor of Computer Science at São Paulo Tech School

Bachelor's degree in Computer Science with a strong emphasis on practical, real-world technologies and problem-solving skills. Gained valuable soft skills through dedicated "socio-emotional development" classes and acquired significant experience from engaging in extensive hands-on projects focused on real-world applications.

Python

PySpark

AWS

SQL

Javascript

Java





Microsoft Azure

Data Structures and Algorithms

Jan/2018 ~ Dec/2020

### High School at Colégio Dante Alighieri

I graduated as one of the top students in my class from one of São Paulo's most prestigious schools. During my academic journey, I had the valuable opportunity to kickstart my tech career by actively participating in elective classes focused on Python programming and problem solving.

Residence	 <a href="#">São Paulo, SP, Brazil</a>
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Python Problem Solving

## Certifications

Apr/2022

[AWS Certified Cloud Practitioner](#)

Aug/2022

[AWS Certified Developer Associate](#)

Nov/2022

[AWS Certified Solutions Architect Associate](#)

## Courses

Jan/2022

[Taming Big Data with Apache Spark and Python, on Udemy](#)

Python PySpark

Jan/2022

[Machine Learning, Data Science and Deep Learning with Python, on Udemy](#)

Python PySpark Machine Learning Pandas

Jan/2022

[Cloud Computing 101, on AWS Educate](#)

AWS

Jan/2023

[Scala and Spark for Big Data and Machine Learning](#)

Scala Spark

## Additional Experience

[NPM published package](#)

The linear-regression-model package provides a simpler way to get The linear regression and correlation between two variables in Node.

Machine Learning Javascript

## [PyPI published package #1](#)

The polynomial-regression-model package aims at from the data the user gives it, it deduces the best regression model to analyse it and returns the model, fit for predictions.

Python

Machine Learning

## [PyPI published package #2](#)

The spotify-recommender-api package serves the purpose of providing both recommendations for the user and a way for one to "cluster" automatically songs within a big playlist, base on the genres, popularity and song features, for example.

Python

Machine Learning

Data Analysis

Working with external APIs

## [College project #1 - Safelog](#)

(aug/2021 - dec/2021) A Freshman year, group project in college, that collects machine health data and sets up alarms and dashboards based on that information.

Node

Java

AWS EC2

## [College project #2 - Homebox](#)

(jan/2022 - dec/2022) A group project in college, that provides an peer to peer business model platform (uber-like) around home services, such as plumbing or painting.

React

Java Spring Boot

AWS