





# Nikolas B Virionis

## Python Developer and Data Engineer

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

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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	<div><div></div><div></div><div></div><div></div></div>	Teamwork	<div><div></div><div></div><div></div><div></div></div>	PySpark	<div><div></div><div></div><div></div><div></div></div>	English	<div><div></div><div></div><div></div><div></div></div>	AWS	<div><div></div><div></div><div></div><div></div></div>	SQL	<div><div></div><div></div><div></div><div></div></div>
Docker	<div><div></div><div></div><div></div><div></div></div>	Pandas	<div><div></div><div></div><div></div><div></div></div>	Infrastructure as Code	<div><div></div><div></div><div></div><div></div></div>	AWS CDK (IaC)	<div><div></div><div></div><div></div><div></div></div>	Serverless Framework (IaC)	<div><div></div><div></div><div></div><div></div></div>	AWS Cloudformation (IaC)	<div><div></div><div></div><div></div><div></div></div>

## 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
- Teamwork
- Docker
- Serverless Framework

## 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
- Docker
- AWS Cloudformation

### 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.

- 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, on Udemy.](#)

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 to deduce the best regression model from the data provided by the user, analyze it, and return 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 to automatically "cluster" songs within a big playlist based on genres, popularity, and song features.

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 a peer-to-peer business model platform (uber-like) for home services such as plumbing or painting.

React

Java Spring Boot

AWS