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

Residence	♠ <u>São Paulo, SP, Brazil</u>
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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 PySpark English AWS SQL Pandas

Infrastructure as Code (AWS CDK)

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.



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.

Python Problem Solving

Certifications

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



Jan/2022

Machine Learning, Data Science and Deep Learning with Python, on Udemy



Jan/2022

Cloud Computing 101, on AWS Educate

AWS

Jan/2023

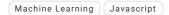
Scala and Spark for Big Data and Machine Learning



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.



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.

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Python Machine Learning
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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