

# TÚLIO DE ARAÚJO VIEIRA

## Contact

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**Portfolio:**

<https://www.tuliovieira.ml>

## Interests

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Web Development, Data Science, Programming, Entrepreneurship.

## Skills

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**Programming Languages:** Javascript, Python, Java, C++ (beginner), SQL, PHP, HTML, CSS.

**Technologies:** Nodejs, Django, Express, Flexbox, React, Python for Data Science, Java Swing (beginner), Java Spring Boot.

**Microsoft Office:** Excel, Powerpoint, Word.

## Languages

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**Portuguese:** Native

**English:** Fluent  
Certification  
TOEFL ITP 610

## Personal Projects

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**Plazon** – Social network inspired in Reddit and Twitter, using the MERN stack (MongoDB, Express, React, Nodejs).

**Shortest Path Visualizer (in Java)** - This app finds the shortest path between two points in a maze defined by the user.

**See these and other projects at:**

<https://www.tuliovieira.ml>

## Education

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**Civil Engineering • Universidade de Brasília (UnB) - GPA: 4,35 / 5,00**

At the end of the course, I decided to change paths and become a software developer. I spent the last year of college studying computer science topics inside and outside the University, and I'm still learning new things every day.

My graduation project was about Deep Learning for concrete crack detection. The result of this study has been implemented in an app that can be found in my portfolio:

<https://github.com/tulio-vieira/concrete-crack-detector-frontend>

## Work Experience

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**Software Developer (current) • Instituto CERTI Sapiientia**

The CERTI Foundation is an institute of applied technological research, and also offers products and services related to software and hardware.

Currently, I'm working on a software project in the electric power sector (*Virtual Power Plant*) that is going to help its users find the best decisions for purchase and sale of energy, and also help them manage their energy contracts.

**Project Manager • Concreta – Consultoria e Serviços**

Concreta is the Junior Enterprise for Architecture and Civil Engineering students of UnB. With the help of teachers, ex-members and peers, the company has autonomy for developing engineering and architecture projects. My job was to manage these projects, which included gathering teams, helping them when necessary, and making sure that our products were finished on time and with high quality.

**Intern • Avateng – Engenharia de Avaliação e Representação**

Avateng is a company specialized in real state avaliations, and it was one of the first of its kind in Distrito Federal, Brazil. As an intern, I was responsible for making avaliations for our clients, which were mainly banks and the public sector.

## Certificates

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**AWS Associate – Solutions Architect Certified**