

# ANA PAULA MENDES

Senior Software Engineer | Consultant  
Master's student in Intelligent Computing

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## ABOUT ME

I am currently working as a Senior Software Engineer and have experience as a Developer Consultant. And I'm a Master's Degree student in Computer Science with a line of research in Intelligent Computing at Universidade Federal do Piauí. My areas of expertise are in Software Development and Artificial Intelligence.

I have a huge passion for teaching and sharing knowledge as much as I can. I believe that information in the right hands has the power to move the world and offer better conditions for society. I am continually cultivating other women with tech mentorship. I love participating in the Python Brasil community since I co-founded PyLadies Teresina in 2016.

## WORK EXPERIENCE

### Senior Software Engineer

Remote

**Jusbrasil**

📅 April, 2024 - Ongoing

📍 São Paulo, Brazil

Team KB - Entidades: Correctly identify the manifestations of real-world entities in our data, that is, we work to associate people, organizations and companies with their identification documents.

**Technologies used:** Python, Go, Scala, PySpark, Pytest, Docker, Kubernetes, GCP, Elasticsearch, Nexus Repository Manager, Grafana.

📅 January, 2023 - April, 2024

📍 São Paulo, Brazil

Team Digesto - LegalOps: Building and maintaining a business-to-business LegalOps tool to help companies and lawyers transform massive amounts of data into better legal decisions.

## EDUCATION

### Master of Science - MS, Computer Science

*Line of Research: Intelligent Computing*

**Universidade Federal do Piauí - UFPI**

📅 2023 - Ongoing

📍 Teresina, Piauí, Brazil

### Bachelor of Computer Science

**Universidade Federal do Piauí - UFPI**

📅 2016 - 2022

📍 Teresina, Piauí, Brazil

### Software Development Technician

**Instituto Federal de Ciência e Tecnologia do Piauí - IFPI**

📅 2012 - 2016

📍 Teresina, Piauí, Brazil

### Industrial Administrative Assistant Technician

**Serviço Nacional de Aprendizagem Industrial - SENAI**

📅 2012 - 2014

📍 Teresina, Piauí, Brazil

## LANGUAGES

**English:** High   **Intermediate:** VPA 880-1280 by Voxy

**Portuguese:** Native

**Technologies used:** Python Async, FastAPI, Pytest, PostgreSQL, GCP, Docker, Kubernetes, SQLAlchemy, Camunda, Opensearch, Keycloak.

### Developer Consultant

Remote

#### Thoughtworks

📅 April, 2021 - January, 2023

📍 Recife, Pernambuco, Brazil

Thoughtworks is a leading global technology consultancy that integrates strategy, design and software engineering to enable enterprises and technology disruptors across the globe to thrive as modern digital businesses.

Working with Agile Methodologies, Lean Inception, Communication, Effective Feedback, High Performance Teams, Pairing; different software architectures like Monolith, Microservices, Backend for Frontend (BFF), Event Driven Architecture, Function as a Service (FaaS) and Architecture Evolution; support to Legacy Projects; Clean Code, CI and CD, Monitoring, Observability, Metrics, Documentation, Unit tests, Integration tests, Continuous Improvement.

Business: Streaming with Metadata Processing and Video Processing

**Technologies used:** Ruby, Ruby on Rails, Sinatra, Python, Flask, JavaScript, Redis, MongoDB, GitLab, Tsuru, Sentry, Grafana, NewRelic, GCP, React, React Hooks, HTML, CSS, Docker, Kubernetes.

### Backend Developer

Remote

#### Muvext

📅 November, 2020 - April, 2021

📍 Aveiro, Portugal

Engaged with API projects. Participating in issues discussions, refactor, improving features and working in the implementation of new ones, fixing bugs, writing tests and automating tasks.

**Technologies used:** Django, Django Rest Framework, Python, Docker, PostgreSQL, MongoDB, Linux, Celery and Git.

### Full Stack Developer

Remote

#### Quiploy

📅 October, 2018 - October, 2020

📍 Rio de Janeiro, Brazil

Development of software for clinics (SaaS). Engaged with many company projects (backend, frontend, scripts, crawler). Participated in issues discussions, improved features and worked in the implementation of new ones, fixed bugs, written tests and automated tasks.

**Technologies used:** Django, Django Rest Framework, Python, JavaScript, Bootstrap, Zurb Foundation, Docker, Caddy, PostgreSQL, Vim, Linux, Screen, Axios, Celery, HTML, CSS, Git.

## SCIENTIFIC RESEARCH EXPERIENCE

### Undergraduate Student Researcher

Awarded Research at Seminários Integrados da UFPI 2020 ★

1st place - Biotecnologia, Recursos Naturais e Tecnologia da Saúde ★

#### CNPq - Conselho Nacional de Desenvolvimento Científico e Tecnológico

📅 August, 2019 - August, 2020

📍 Teresina, Piauí, Brazil

*Project: Machine Learning Algorithm Tests for Nephropathology Diagnostic Inference*

Application of data analysis and data mining for the discovery of patterns for the inference of diagnoses in nephropathology and the use of machine learning to build a web and mobile automated diagnostic tool for medical assistance.

**Technologies used:** Jupyter, J48, Python, Machine Learning, Data Mining, Data Analysis, Java, Weka and CSV.

### Undergraduate Student Researcher

#### CNPq - Conselho Nacional de Desenvolvimento Científico e Tecnológico

📅 August, 2017 - August, 2018

📍 Teresina, Piauí, Brazil

*Project: Application of Fuzzy Logic for Automatic Identification of Immunogenic Epitopes in Epitopic Reactivity Analysis*

Studied data analysis and data mining for the field of organ transplantation and developed an algorithm with J48 decision tree for the automatic identification of reactive epitopes with great accuracy in an organ transplant.

**Technologies used:** Java, Weka and CSV.

## VOLUNTEERING

### Maintainer / Tech Lead

Open Source project

#### Colaboradores

📅 February, 2019 - September, 2020

📍 Brazil

It is a collaborative initiative that seeks to gather, demonstrate, investigate and monitor access to information and open data in Brazil. Developing new features and fixing bugs. Responsible for refactoring and reviewing code. Managing the development team. Pointing and discussing the appropriate technologies for the project. Responsible for the project infrastructure.

**Technologies used:** Python, Twitter API, Jekyll, Git, Ruby, Github, Docker, HTML, CSS, JavaScript, Django, REST.

## Freelancer - Web Scraping

### Upwork

📅 February, 2018 - April, 2018

Wrote scripts with Selenium for automating processes like authentication, scraping content from a specific site, browsing between pages, and downloading files.

**Technologies used:** Python, Selenium, HTML, CSS, JavaScript.

## Administrative Assistant

### Eletrobras Distribuição Piauí

📅 August, 2012 - August, 2014

📍 Teresina, Piauí, Brazil

Worked through the Jovem Aprendiz Legal project, an initiative of the Federal Government. Gave administrative assistance to journalists in the Department of Communication and Institutional Relations.

**Skills developed:** Interpersonal relationships, teamwork, organization, responsibility, proactivity, entrepreneurship, business knowledge.

## Co-founder / Co-organizer

### PyLadies Teresina

📅 June, 2016 - July, 2018

📍 Teresina, Piauí, Brazil

- ★ Organized the 1st Teresina Women's Programming Marathon;
- ★ Organized the 1st Django Girls Teresina, 2017;
- ★ Organized technical workshops on Introduction to Programming with Python;
- ★ Mentor of Django Girls Belo Horizonte 2017;
- ★ Mentor of Django Girls Teresina 2018;
- ★ Mentor of Django Girls Teresina 2019;
- ★ Keynote of Python Nordeste 2020/2021.
- ★ Mentor of Django Girls Teresina 2022;
- ★ Keynote / Mentor of Django Girls Parnaíba 2022.

## Organizer / Member

### Teresina Hacker Clube

📅 June, 2016 - June, 2020

📍 Teresina, Piauí, Brazil

- ★ Organized meetings, events, workshops.

## Organizer / Member

### Python User Group - Piauí

📅 July, 2016 - June, 2020

📍 Teresina, Piauí, Brazil

- ★ Organized meetings, events, workshops.

## PROJECTS

### Owner

#### Ana no Terminal

📅 January, 2018 - Ongoing

📍 Teresina, Piauí, Brazil

- ★ Mentoring women in technology
- 🔗 <https://github.com/ananoterminal>
- ★ Creating videos teaching about tech.
- 🔗 <https://www.youtube.com/c/ananoterminal>