

# Pedro Araújo

Braga, Portugal

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## Personal Profile

MSc in Compute Engineering from University of Minho with 3+ years experience in software development lifecycle and wide comprehension of various areas of technology, including Data Science, Machine Learning, Web development, DevOps, Cyber Security and Gaming development.

Throughout my academic journey, I have consistently sought to acquire additional skills, such as full-stack development. I also gained experience in machine learning during a short-term internship. Later, while working on my dissertation on the topic of the Metaverse, I completed an internship where I gained hands-on experience developing VR applications using Unity. Additionally, to deepen my understanding of Cloud technologies, I have been preparing to obtain the AWS Solutions Architect Associate certification.

Open-minded and collaborative, constantly seeking opportunities to learn, embrace feedback, and enhance the user experience.

## Education

### University of Minho

Braga, PT

#### Masters in Computer Engineering

Sept 2022 - Sept 2024

- Specialised in Applications in Cloud, Machine Learning, Software Engineering, Cryptography and Cybersecurity, Network Infrastructure.
- The dissertation "Metapedia: A learning platform in Metaverse" depicts a detailed research about the Metaverse trend and its components. The second part outlines the development of a virtual reality application, where a platform was created to host training courses, but with a engaging environment with interactive activities.
- **Grade:** 18 out of 20.

### University of Minho

Braga, PT

#### Degree in Computer Engineering

Sept 2019 - Jun 2022

- **Main Courses:** Functional Programming, Oriented Object Programming, Imperative Programming, Computer Network, Computer Architecture, Database, Software Engineering, Artificial Intelligence, Distributed Systems.

## Experience

### CoderDojo

Braga, PT

#### Volunteer Tutor

Sept 2020 - Sept 2023

- Programming tutor in CoderDojo Braga, which is a global organization, voluntary, non-profit movement that aims to teach children and teenagers aged 7 to 17 to learn programming basics. The project aims to show how programming can be a force for positive change in the world.
- **Technical Skills:** Python, Scratch.
- **Soft Skills:** Teamwork, Communication, Presentation skills, Creativity.

### MIA

Braga, PT

#### IT Collaborator

2021 - 2022

- Minho Investment Association (MIA) is a university initiative, which aims to teach young people about financial education.
- Collaborated in IT department with 3 people, helped to develop the institutional website, worked mainly in frontend.
- **Technical Skills:** Figma, JavaScript and CSS.
- **Soft Skills:** Teamwork, Time Management, Creativity

### Altice Labs

Aveiro, PT

#### Internship

July 2021 - Sept 2021

- Worked in Botschool Project of AlticeLabs company. My work was about to transcribe audios to text and use machine learning techniques to create training data for bots.
- **Technical Skills:** Python, Google API's, Machine Learning, Data Science, Chat-bots.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills, Discipline.

### Accenture

Braga, PT

#### Internship

Sept 2023 - July 2024

- Worked in Metapedia Project of Accenture company. My work was about to create a learning environment in Metaverse, creating a Virtual Reality (VR) island, where users can learn courses and do interactive activities.
- **Technical Skills:** Blender, Unity, C++, Microsoft Mesh.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills, Discipline.

# Certifications

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2025    **AWS Certified Cloud Practitioner**, AWS

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## Extracurricular Courses

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### AWS Certified Solutions Architect Associate

Udemy

27 hours

- The course it's a full preparation to the exam of SAA-C03 certification, which prepare to understand AWS fundamentals and to make best architectural decisions based on real situations
- **Are learned:** AWS Fundamentals,AWS CLI,Analytics services comparison,Machine Learning services,Monitoring, Troubleshooting and Audit,AWS Integration and Messaging,AWS Serverless,AWS Containers Services,AWS Security best practices,VPC and Networking in depth,Disaster Recovery and Migrations.

### React and React Native Workshop

RocketSeat

10 hours

- A five days of workshop , teaching how to develop a full stack project that can adapt either to an application for smartphone OS or to a website, using React for the website and React Native to an application.
- **Technical Skills:** React, React Native, NodeJs, TypeScript, SQLite.

### IBM Introduction to Containers w/ Docker, Kubernetes and OpenShift

Coursera

22 hours

- Learned how to build applications in a cloud native way using containerization tools and technologies. This course introduces to containers and explain how containers differ from virtual machines
- **Are learned:** Docker,Kubernetes, Red Hat OpenShift, and Istio.

### Web FullStack

Udemy

23 hours

- The course is about how to make a fullstack website , learning frontend components using CSS and JavaScript , and in backend using NodeJs and SQLite for the database.
- **Technical Skills:** CSS, NodeJs, JavaScript, SQLite.

## Skills

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**Programming**    Python, C, C#, C++, Haskell, CSS, Java, JavaScript, React, MySQL.

**Game Engines**    Unity

**Containerization Tools**    Ansible , Docker , Kubernetes.

**Miscellaneous**    Linux, Shell (Bash),  $\LaTeX$ (Overleaf/R Markdown), Git.

**Soft Skills**    Time Management, Teamwork, Problem-solving, Documentation, Communication.

## Languages

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**Portuguese**    Native proficiency

**English**    C1

**Spanish**    A1

**Chinese**    HSK1