# Artur Coelho Batista Guedes Pereira

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## Education

**Federal University of Paraíba (UFPB)**                                                     **Jun 2024 - Dec 2027**
*Bachelor of Science, Computer Science*
- **GPA:** GPA : 9/10

## Experience

**ARIA - Artificial Intelligence Applications Laboratory**                                   **Feb 2025 - Jul 2025**
*Artificial Intelligence Intern*
I collaborated on a PD project at ARIA, UFPB's AI laboratory, in partnership with FilmaEu (a startup invested in Shark Tank Brasil).
- Using **computer vision** and the OpenCV library, I developed dynamic visual effects for players, balls, and rackets.
- The work was integrated as a key feature in the launch of the company's new app.

**Office of Federal Deputy Tabata Amaral**                                                    **Jun 2025 - Sep 2025**
*Summer Intern (IT and Data Analysis)*
I participated in a summer internship at Federal Deputy Tabata Amaral's office, applying data analysis to public policy.
- I structured and organized a database with more than **40,000** contacts using Pandas and R.
- The work optimized the mandate's database, facilitating queries and cross-referencing of strategic information.

**TRILHA - Mentoring Program | UFPB**                                                         **Aug 2024 - Dec 2024**
*Trainee*
- I acquired a solid foundation in Python by applying my knowledge to a project during a **hackathon.**
- I built a network with influential professionals and defined my career plan.

**ARIA - Artificial Intelligence Applications Laboratory**                                    **Nov 2025 - Present**
*AI Developer Intern*
- I am currently driving data visualization initiatives at **LOTEP (Paraíba's State Lottery, the government authority responsible for regulating gaming operations in the state).**
- Using **Python, Pandas, and Dash**, I developed interactive dashboards and reporting tools to generate strategic insights for **LOTEP's** executive decision-making.

## Projects

**GuardAzul (Hackathon Finalist)** | Github
*Co-founder Developer*
- Co-founded and developed GuardAzul, a **mobile application** to protect coastal ecosystems by connecting citizens with environmental agencies.
- Engineered a **full-stack solution** using React-Native for the frontend and FastAPI with Docker for the backend.
- Integrated AI-powered features, including Google Vision for image analysis and the Gemini API for an intelligent chatbot.
- Designed a system for validating environmental reports with geolocation and photos, optimizing the response process for public agencies.

**Gestar (NewHack & OpenAI Education Hackathon Project)** | Github
*Co-founder Developer*
- Engineered an AI-powered platform to **optimize the communication workflow** between municipal schools and the central education department.
- Built a modern, responsive web application from the ground up using **TypeScript and Next.js**.
- Leveraged the **OpenAI API (ChatGPT)** as the primary backend logic to intelligently **summarize reports** and **process school communications**.
- Designed and launched a **public-facing transparency portal,** making key educational data accessible to all citizens and administrators.

## Awards

- **Highest Essay Grade in Paraíba State - ENEM (National High School Exam):** I got a score of 980 out of 1000, which was the best score in my state at that year.
- **Outstanding Student for Olympic Achievements:** Honored by the city government with the "Outstanding Student José Lins do Rêgo" award.
- **Brazilian Astronomy Olympiad (OBA) & Brazilian Financial Education Olympiad (OBEF) & Brazilian Geography Olympiad (OBG):** Gold Medal (2019), 2 Bronze Medals (2018, 2020), Silver Medal (2020), Bronze Medal (2023)