

# Amaiké Gopar

## SYSTEMS ENGINEER

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### PERSONAL INFORMATION

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Tandil, Buenos Aires, Argentina.

LinkedIn : [www.linkedin.com/in/amaike-gopar](https://www.linkedin.com/in/amaike-gopar)  
Portfolio: [amaikegop.github.io/Portfolio/index](https://amaikegop.github.io/Portfolio/index)  
Argentinian–Spanish Citizen (EU Work Eligibility)

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### PROFESSIONAL SUMMARY

Analytical and methodical Systems Engineer with a strong background in software development, artificial intelligence, and robotics. Experienced in Python, machine learning fundamentals, LLM-based chatbot development, and behavior-based control systems. I also have practical hands-on experience developing full-stack applications independently, including designing structured solutions, managing databases, implementing complete feature workflows, and deploying applications into production environments. Skilled at solving complex problems, working with both rule-based and data-driven models, and creating intelligent systems that enhance human–AI interaction. Passionate about emerging technologies, autonomous systems, and building high-impact software tools.

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### KEY COMPETENCIES

- **Analytical & Engineering Skills:** Logical reasoning, problem solving, structured system design, troubleshooting.
  - **Software Development:** Software engineering fundamentals, full-stack application development, database modeling, agile methodologies.
  - **AI & Robotics:** Machine Learning & AI concepts, prompt engineering, LLM-based assistant design, robotic simulation, behavior-based controllers
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### TECHNICAL STACK

Languages: Python, Java, C, C++

AI & LLM Tools: LangGraph, LangSmith

Databases: PostgreSQL, SQL

Web & Backend: Django, HTML

Version Control: Git, GitHub

Others: Object-oriented programming, data structures

## PROFESSIONAL EXPERIENCE

### Personal LLM Project – Chatbot Development and Prompt Engineering

2025–Present

#### Freelance / Self-directed

Built an LLM-powered chatbot using prompt engineering techniques and structured conversation flows, leveraging LangGraph to orchestrate interaction logic. Experimented with instruction-tuned models, role definitions, memory schemas, and multi-step reasoning prompts. Used LangSmith to evaluate responses, detect inconsistencies, and iteratively refine prompt design. Integrated JSON-based context structures and implemented retrieval-augmented approaches to improve factual consistency. Gained hands-on experience analyzing user intent and manually reviewing assistant reasoning to enhance clarity and coherence.

### Freelance Django Developer

2025–Present

#### Freelance / Self-directed

Developed several full-stack web applications for real clients, handling the entire software development lifecycle from initial requirements to production deployment. Designed and modeled relational databases, implemented complete feature workflows, built custom forms and interfaces, and integrated external services. Managed Linux servers, configured production environments with Nginx and Gunicorn, and ensured stable deployment and ongoing system reliability. Delivered fully functional solutions actively used by clients, demonstrating autonomy, technical depth, and end-to-end engineering capability.

### Thesis Project – Behavior-Based Controller Design

2024–2025

#### Universidad Nacional del Centro de la Provincia de Buenos Aires

Developed a computational graphical tool for defining behavior-based controllers in autonomous robots, designing a specialized language to model robot behaviors, decision-making processes, and sensor-driven logic. Implemented modules capable of interpreting complex instructions and managing multiple behavioral layers, while analyzing system states, transitions, and potential failure points to ensure consistent autonomous navigation. The project emphasized adaptability, robustness, and intelligent interaction with dynamic environments.

### Academic Experience – Artificial Intelligence Projects

2022–2024

#### Universidad Nacional del Centro de la Provincia de Buenos Aires

Neural Networks: Developed neural networks for image-based object classification, performing comparative analyses of different architectures to optimize accuracy, performance, and computational efficiency.

AI Project Work: Participated in multiple group projects applying advanced artificial intelligence concepts and techniques. Contributed to the design and development of innovative AI solutions, collaborating in research, experimentation, and the implementation of intelligent systems.

## EDUCATION

### Bachelor of Systems Engineering

Specialization: Software engineering

Universidad Nacional del Centro de la Provincia de Buenos Aires - 2025

### Associate's Degree in Programming Analysis

Universidad Nacional del Centro de la Provincia de Buenos Aires - 2024

## LANGUAGES

### Spanish

Native

### English

Upper Intermediate (B2) - First Certificate