

Amaiké Gopar

SYSTEMS ENGINEER

PERSONAL INFORMATION

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Tandil, Buenos Aires, Argentina.

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

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.

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

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
Freelance / Self-directed

2025–Present

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
Freelance / Self-directed

2025–Present

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
Universidad Nacional del Centro de la Provincia de Buenos Aires

2024–2025

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
Universidad Nacional del Centro de la Provincia de Buenos Aires

2022–2024

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