
PACKAGEPILOT
By Carlos Castro & Liliana Escobar

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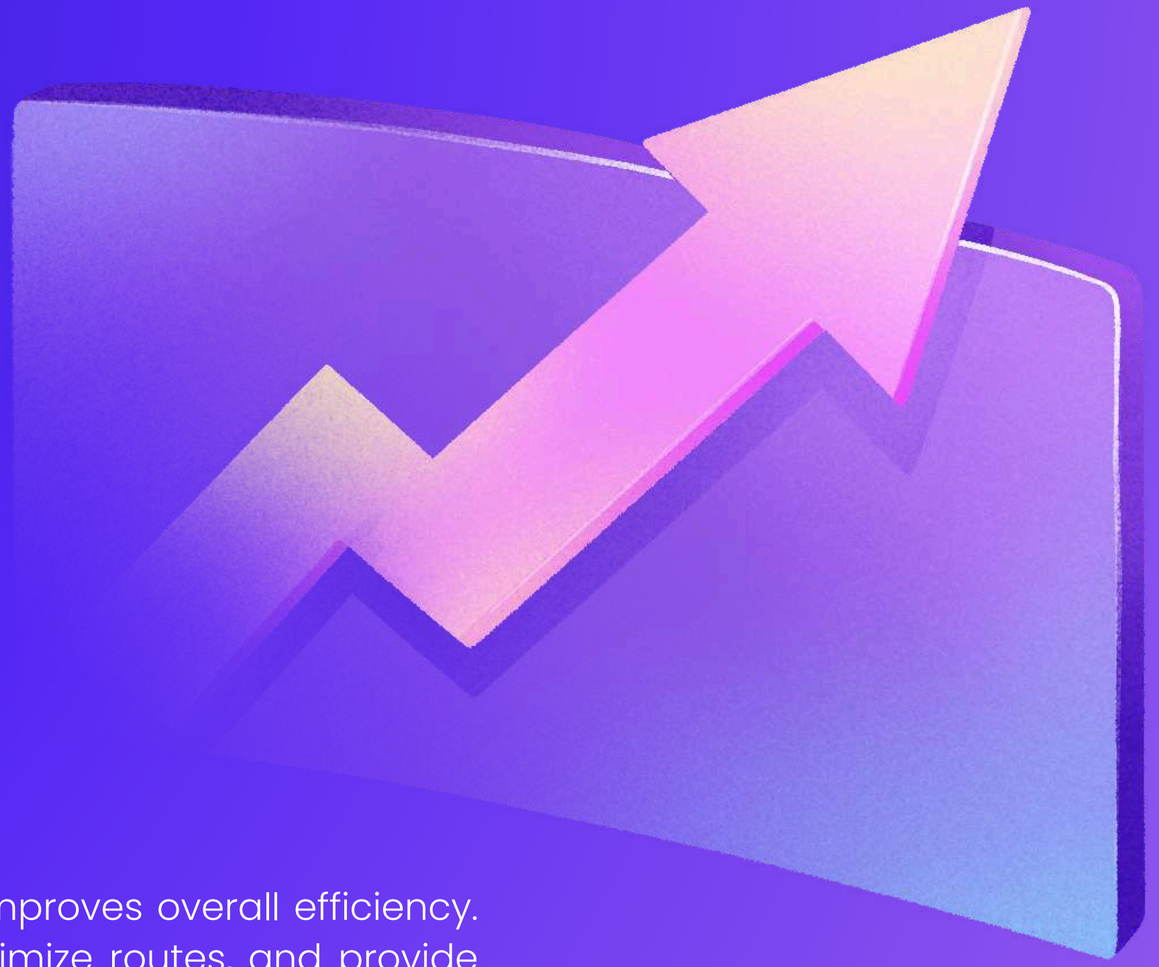
INTRODUCTION

PackagePilot It is an innovative and powerful solution for package management designed to optimize and simplify logistical processes for businesses of all sizes. Leveraging advanced artificial intelligence technologies and an intuitive interface,



Artificial Intelligence

it automates tracking, enhances decision-making, and improves overall efficiency. By utilizing AI, the project can predict delivery times, optimize routes, and provide real-time updates, ensuring a seamless and efficient logistics operation.

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AUTOMATION PROCESS

01

Automate shipping details input through the integrated conversational assistant and extract information from shipping documents.

02

Search for transportation services and rates through integration with search services and querying logistics providers' databases.

03

Track shipments through integration with package tracking services and generate automated updates for users.

04

Delivery of the best and most efficient results for making a shipment

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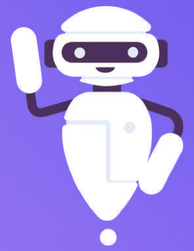
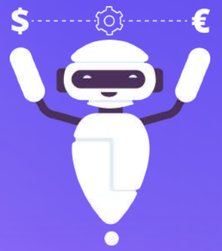
PROJECT OBJECTIVES



OPTIMIZATION OF LOGISTICAL PROCESSES

Automate and improve the efficiency of logistical operations to reduce costs and delivery times. Benefits: Accelerates shipping times, minimizes human errors, and improves inventory management.



ENHANCEMENT OF CUSTOMER EXPERIENCE

Provide customers with a smooth and transparent experience through real-time tracking and constant updates on the status of shipments. Benefits: Increases customer satisfaction and trust by giving them complete visibility over their packages.

CONTINUOUS ANALYSIS AND OPTIMIZATION

Utilize artificial intelligence and data analysis to provide valuable insights and continuously optimize logistical processes. Benefits: Enables data-driven decision-making, continuous improvement of operations, and adaptation to changing market needs.

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PROJECT SCOPE

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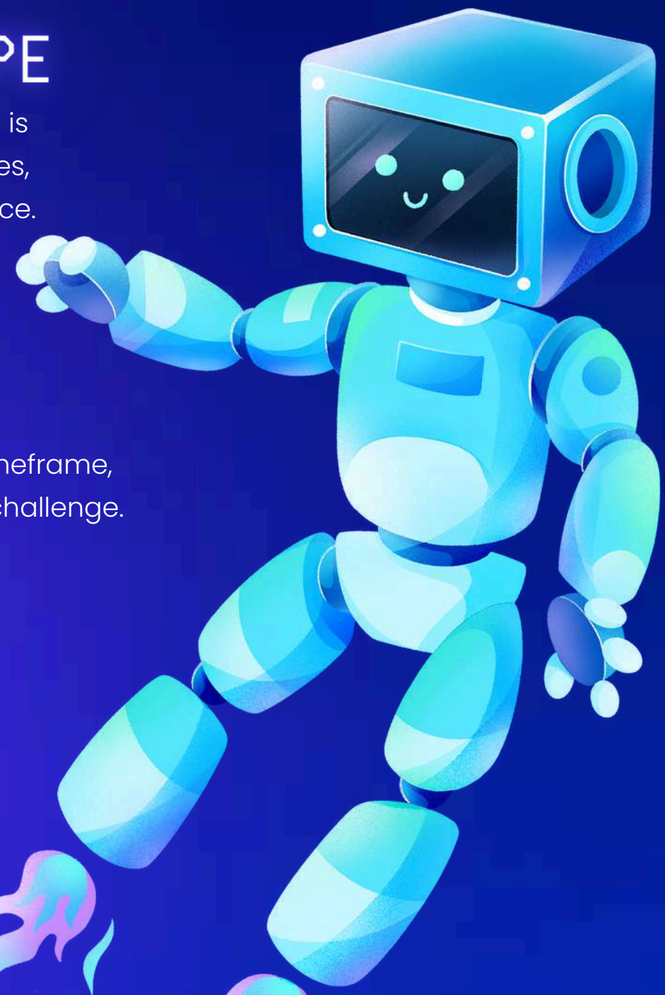
FUNCTIONAL SCOPE

To ensure that the system meets the functional needs and requirements of the end user, providing the necessary tools for effective package and logistics management.

TECHNOLOGICAL SCOPE

Ensuring that the technological infrastructure is adequate to support the system functionalities, providing scalability, security, and performance.



TEMPORAL SCOPE

The project was completed within a defined timeframe, meeting the deadlines set for each proposed challenge.

PRODUCT SCOPE

Ensuring that the delivered product meets the client's expectations and requirements by providing a complete and functional system that satisfies their needs.

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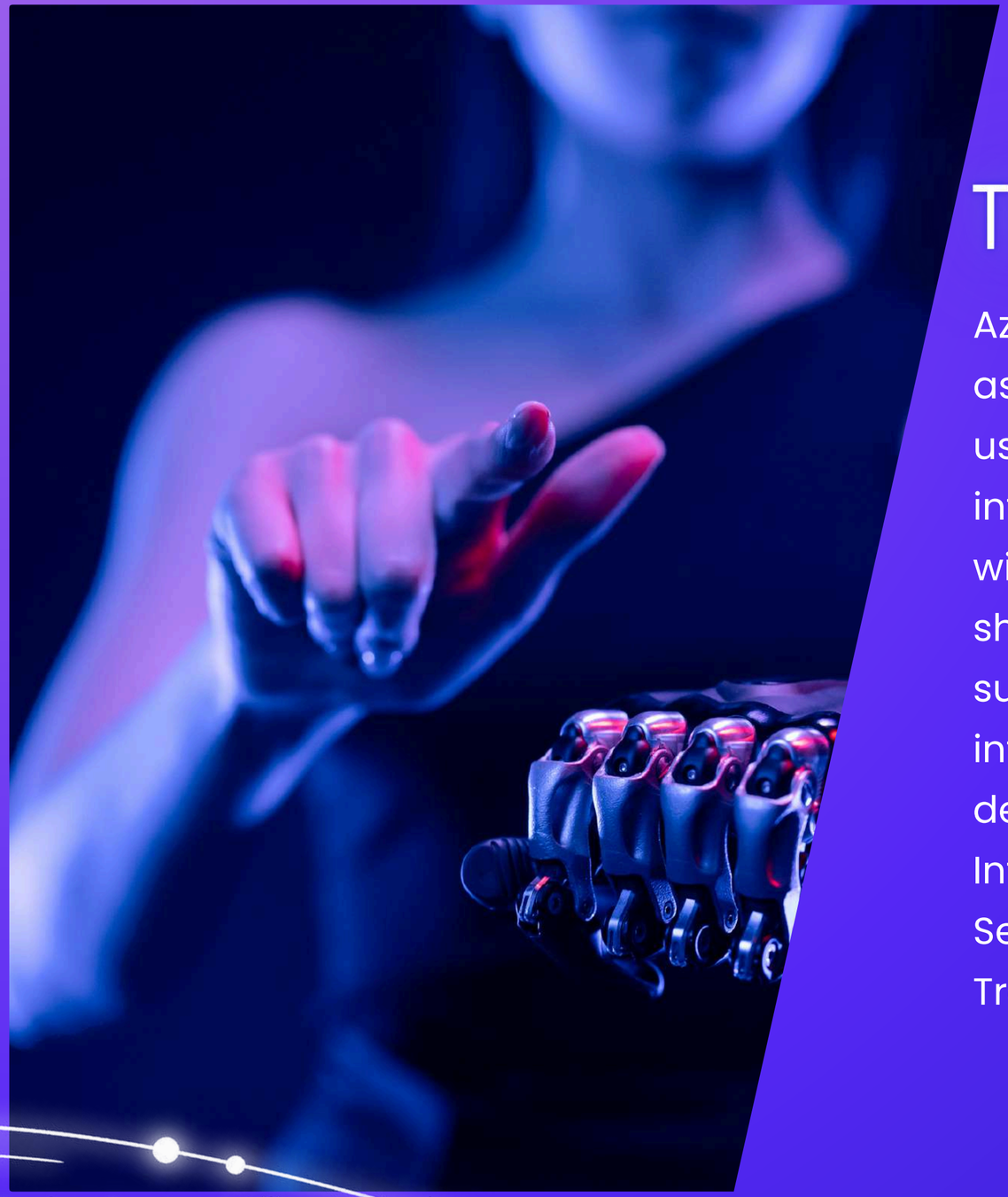


TECHNICAL ARCHITECTURE

Azure AI Bot Service will be used to create the conversational assistant, with Language Understanding (LUIS) interpreting user queries. Azure AI Document Intelligence will extract information from shipping documents, while Cognitive Search will handle finding relevant information about services and shipping rates. Additionally, Azure AI Translator will provide support for multiple languages. The workflow involves the user interacting with the conversational assistant to enter package details, LUIS interpreting the user's intent, Azure AI Document Intelligence extracting information from documents, Cognitive Search finding shipping options and costs, and Azure AI Translator translating the information as needed.

RESULTS AND ACHIEVEMENTS

01

- Through the integration of a conversational assistant and AI-powered document processing, the platform significantly improves the user experience by simplifying the process of entering shipment details and accessing relevant information. This leads to increased user engagement and efficiency in managing shipments.

02

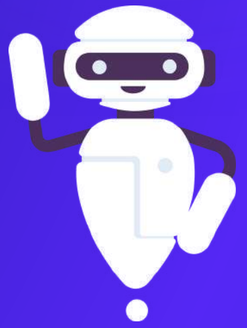
- By automating manual tasks and providing accurate shipment information upfront, the platform reduces operational costs for businesses and saves time for users. This translates to tangible cost savings and improved productivity.

TEAM

AZURE AI ENGINEER

CARLOS JOSÉ CASTRO GALANTE

FRONT-END & BACK-END



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SOFTWARE DEVELOPER

LILIANA BEATRIZ ESCOBAR

FRONT-END & BACK-END

TECHNOLOGIES

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THANK YOU!

FOR REVIEWING OUR PROJECT

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