Dokuz Eylul University

Modernized Airline Management System Enhanced With Al-Driven Solutions

Berkay Dinç, Yusuf Gassaloğlu, Güney Söğüt – Mentor: Prof.Dr. Semih Utku





SCALABLE

DEVOPS

DevOps-driven, Kubernetes-based system. Focused on ensuring scalable and reliable operations.

Utilizes CI/CD pipelines. Enables automated updates for both cloud and onpremises environments.

CHATBOT

Delivers instant support for customers and employees, reducing wait times and easing staff workload.

ANTI-FRAUD

Uses machine learning to monitor and identify potentially fraudulent transactions instantly, safeguarding financial operations.

IDS

Continuously monitors for security threats and unauthorized access to protect system integrity.

AI CRM

Analyzes data to predict customer satisfaction levels, helping improve service quality and customer experience.

SECURITY

DATA SECURITY

Comprehensive measures protect data integrity and confidentiality across the system.

ENCRYPTION

Robust encryption safeguards sensitive personal and financial information throughout the system.

KMS

Advanced key management securely stores and handles credentials, tokens, and keys, ensuring only authorized access.

ACCESS CONTROL

Strict policies and authentication methods regulate user access to maintain system security.

TECH STACK























