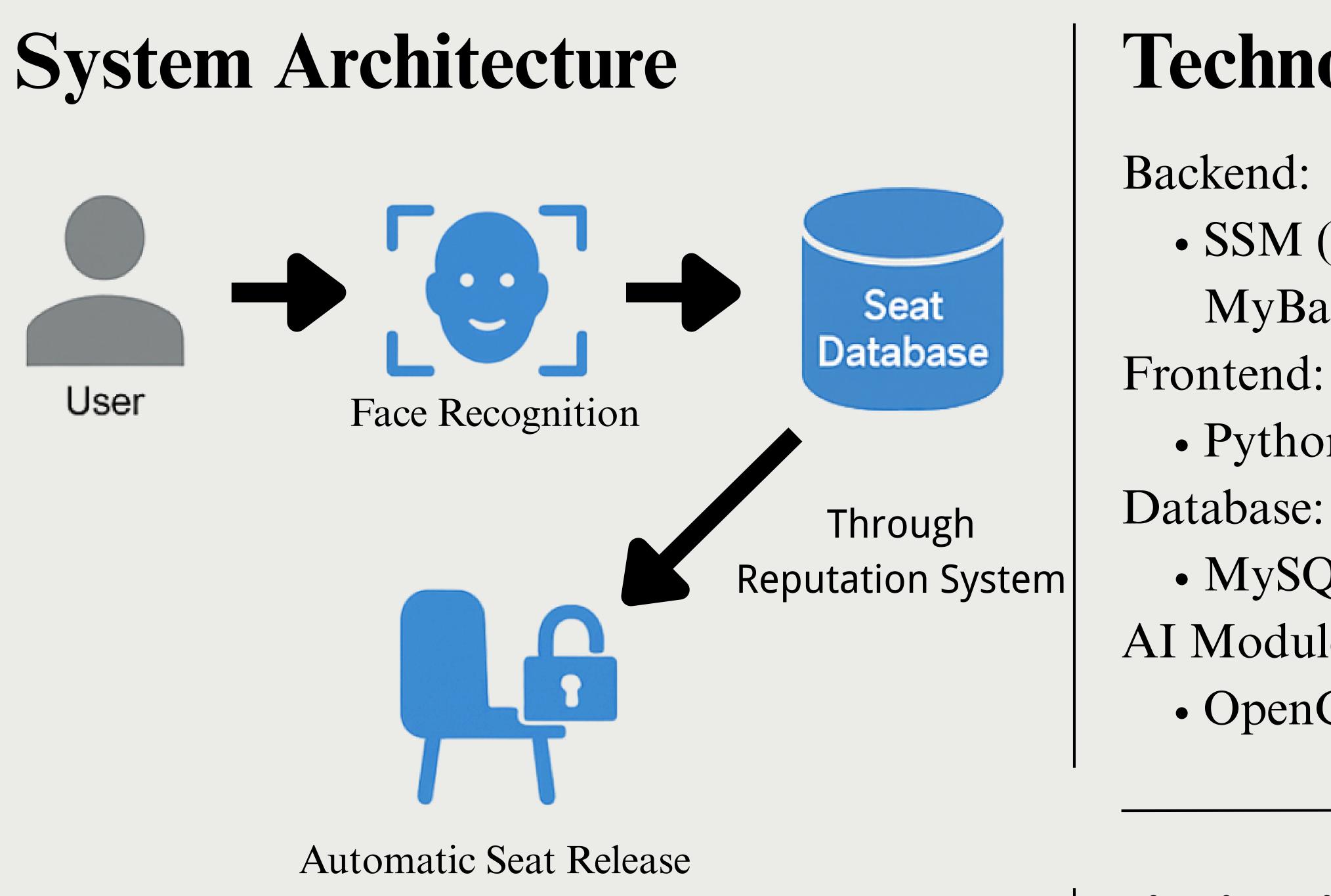
Facial Recognition-Based Library Seat Reservation System Department of Computer Science, Trinity College, Hartford, CT Advisor: Prof. Kousen Shaochen Huang

Abstract

A system utilizes face recognition to verify user identity and manage library seat occupancy. It was developed using the SSM framework, Django, Python, and MySQL.







Results & Benefits

			Work
	User	Administrator	• Var
Improved Seat Utilization	Manual	Semi-automatic	affeDjat
Reduced Management	Semi-automatic	Semi-automatic	optiImp
Enhanced User Experience	Semi-automatic	Automatic	auto

Technology Stack

• SSM (Spring, SpringMVC, MyBatis) Python / Django • MySQL AI Module: • OpenCV (face recognition API)

Limitations & Future

Varying lighting conditions affect recognition

Django-Java integration needs optimization

mprove user experience

automation