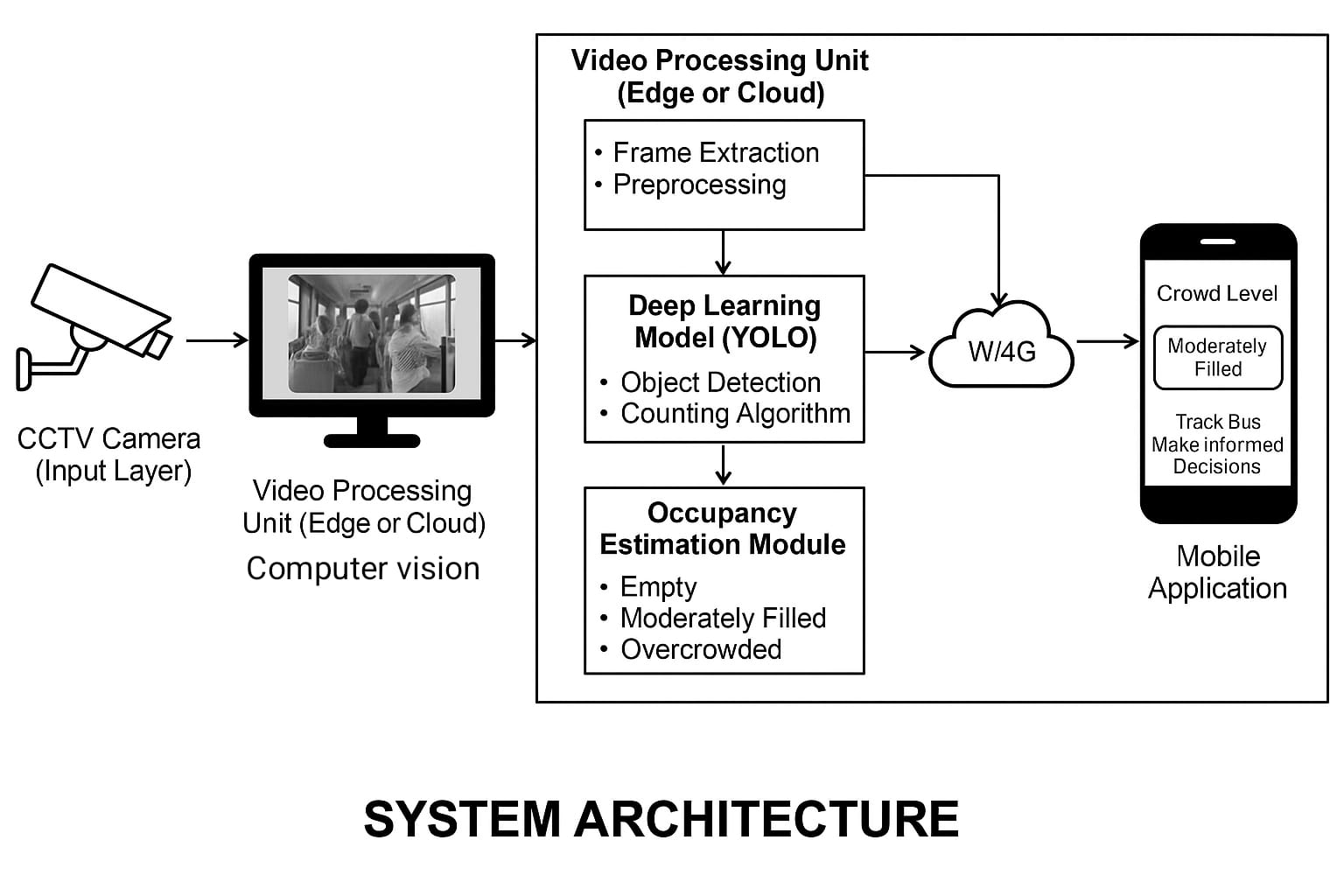
**TECHNICAL DESIGN DOCUMENT**

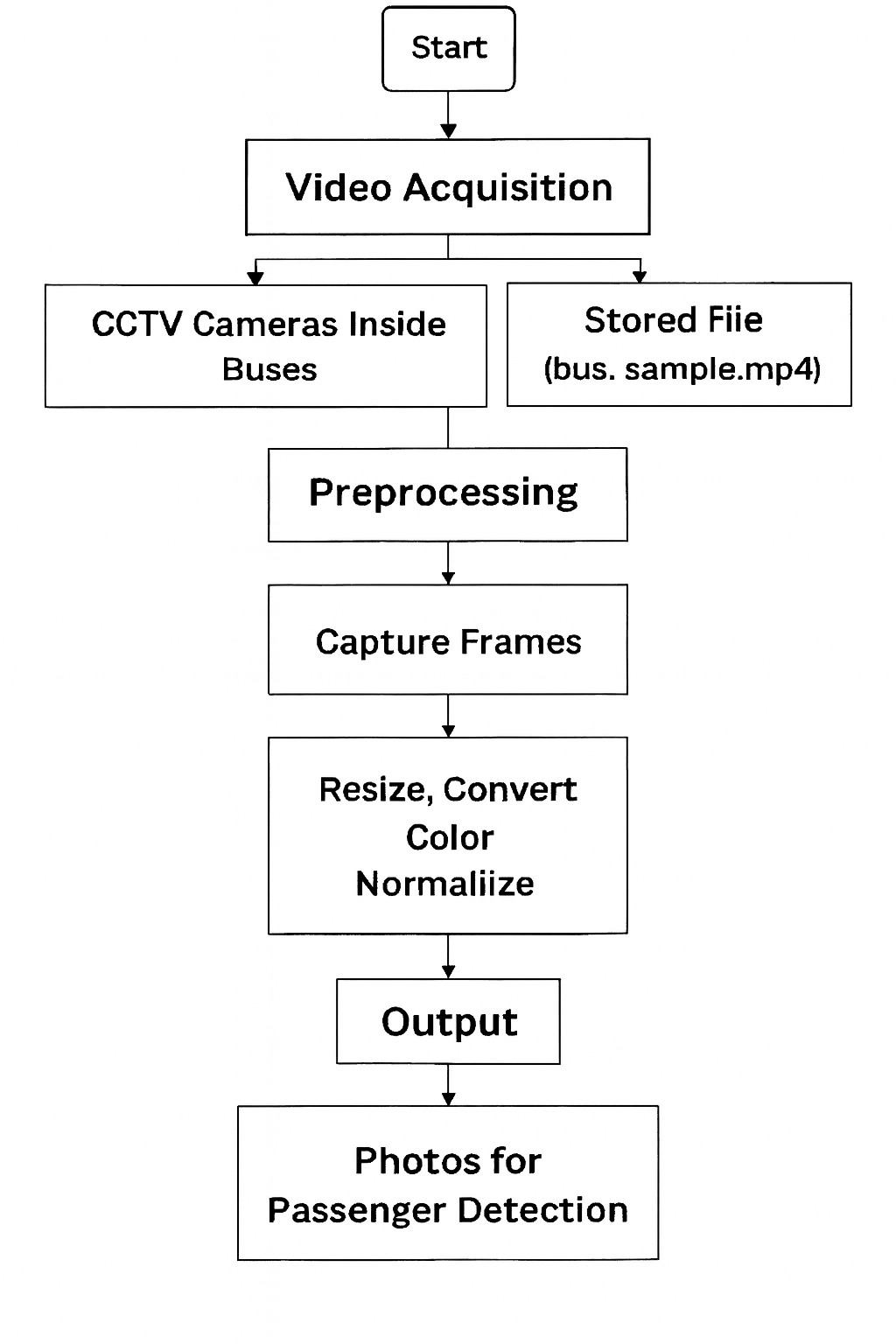
**PROJECT NAME:**

Smart Bus Crowd Detection System that uses AI-based Computer Vision

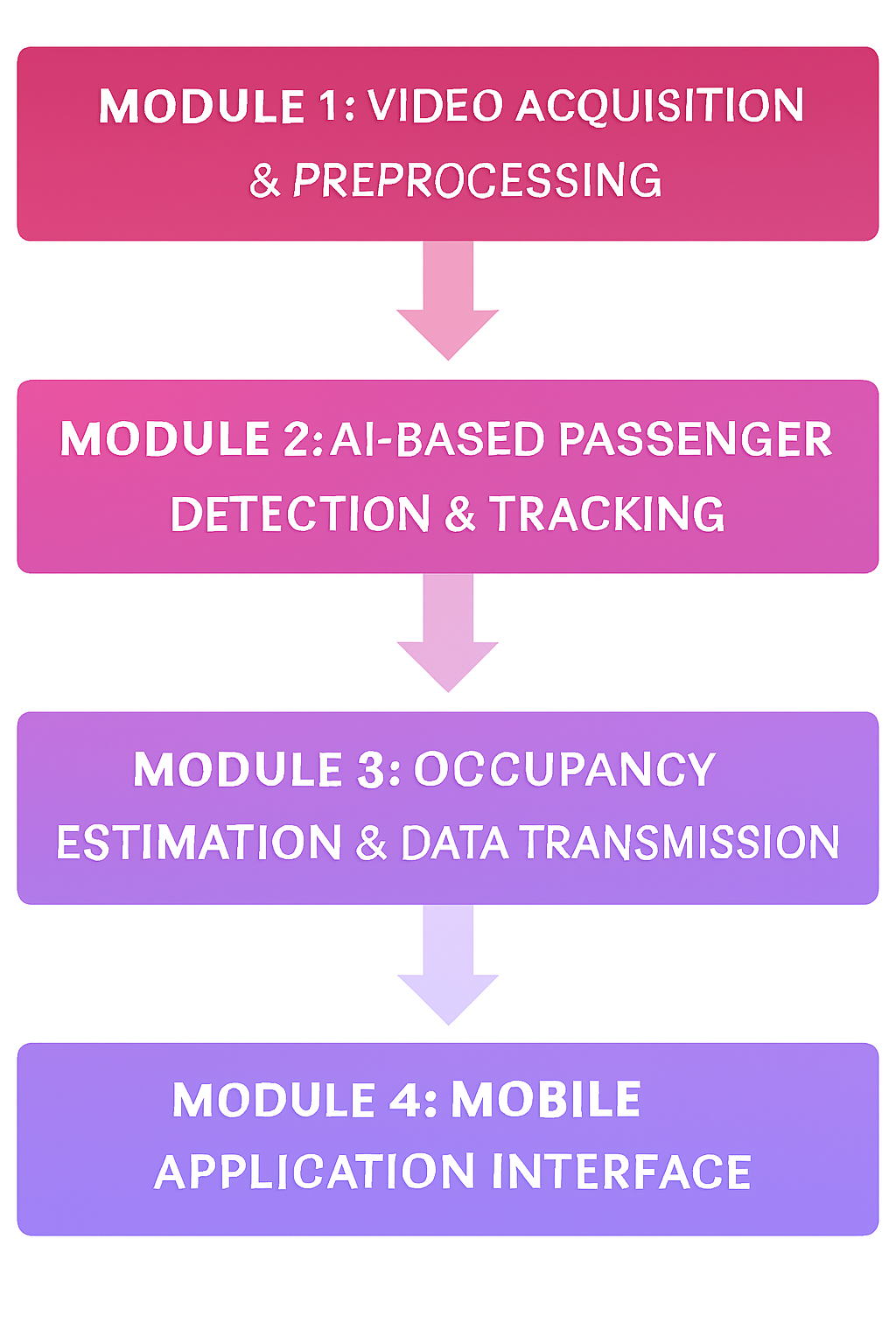
**ARCHITECTURE DIAGRAM:**



**DATA ACQUISTION AND PREPROCESSING WORKFLOW:**

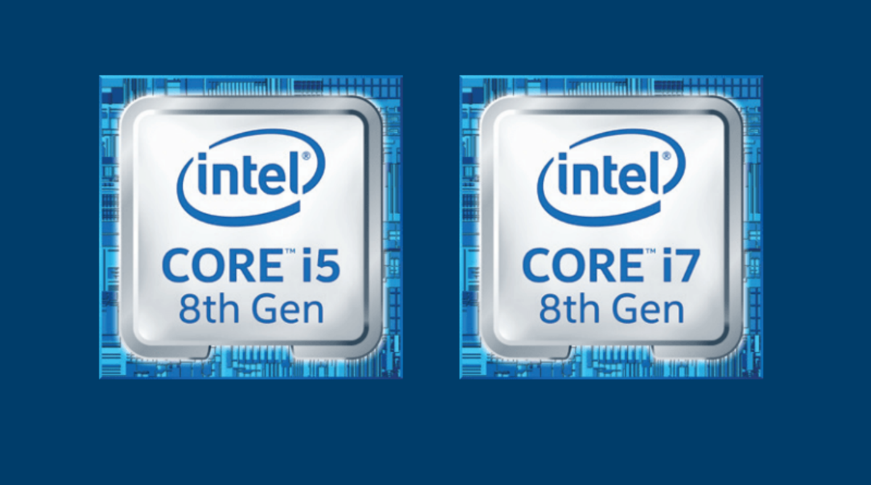


**MODULES:**



**HARDWARE USED:**

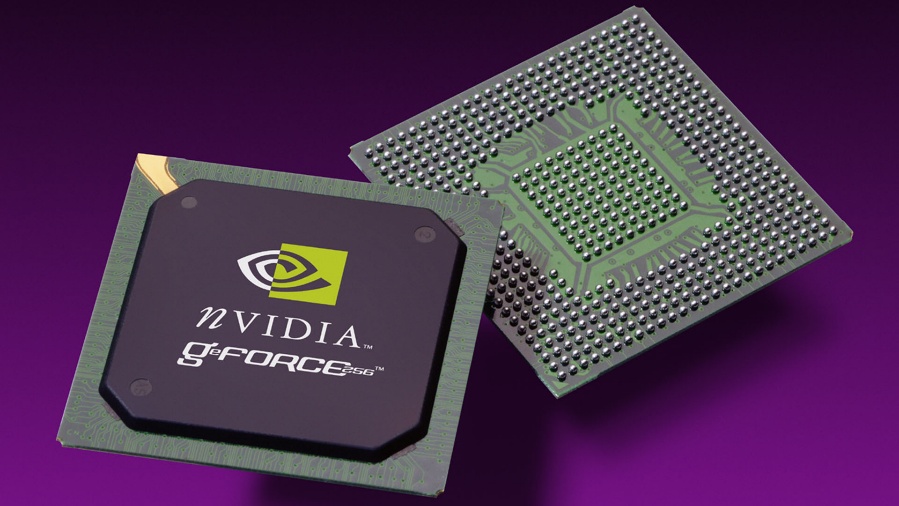
1. Processor: Intel i5 or higher



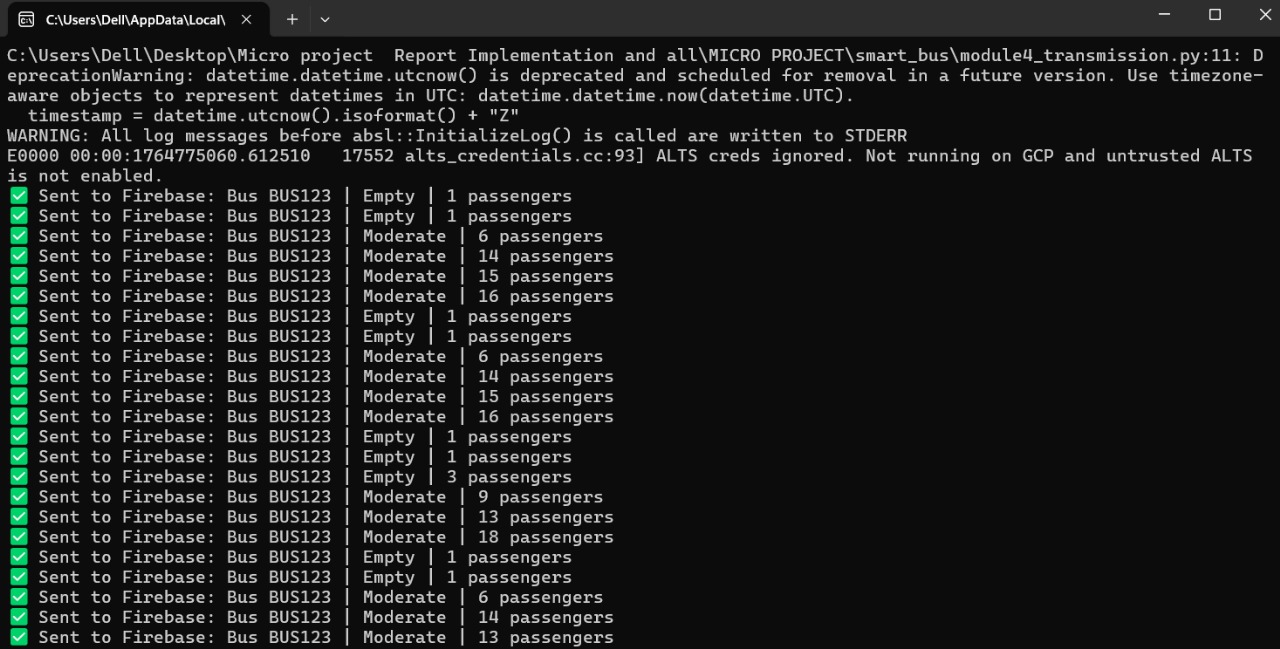
1. RAM: 8 GB (16 GB recommended)



1. Storage: 256 GB SSDGPU: NVIDIA (for YOLO)

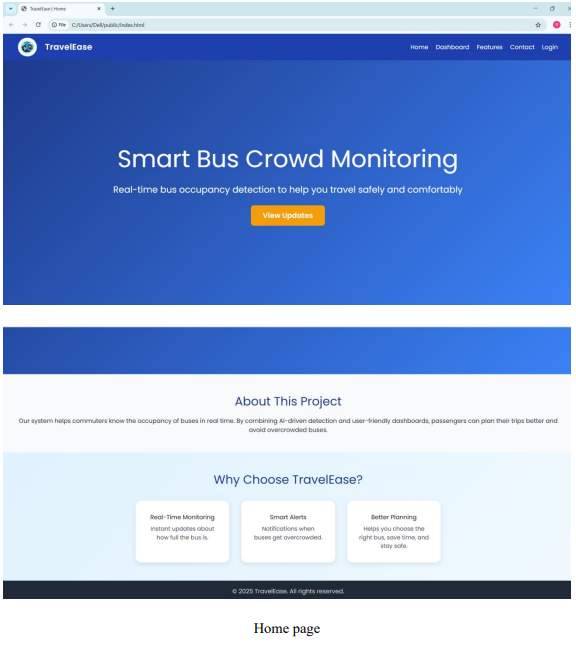


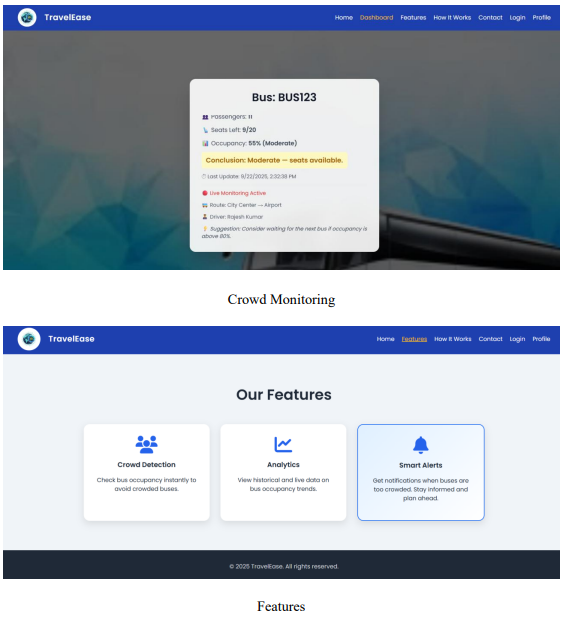
**DATA TRANSMISSION TO FIREBASE :**

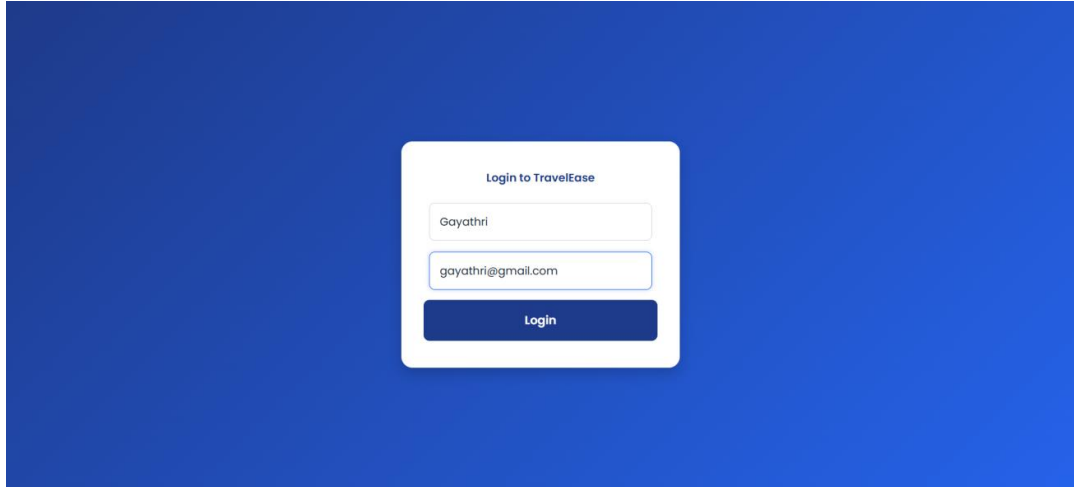




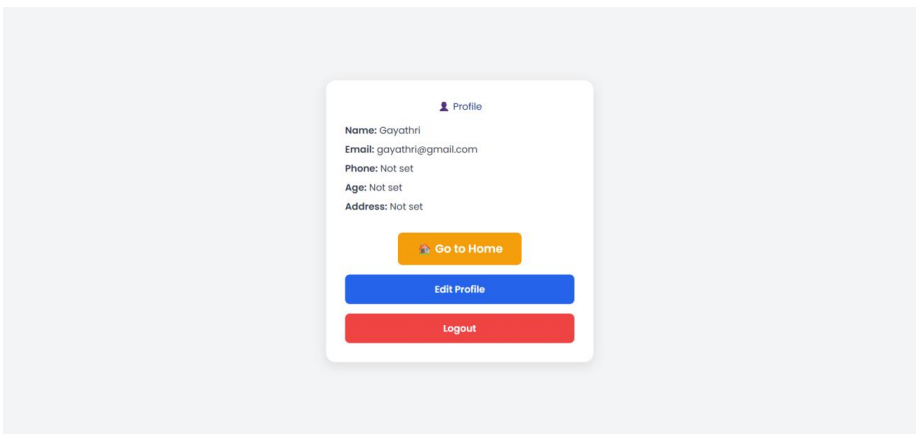
**APP SCREENSHOTS:**

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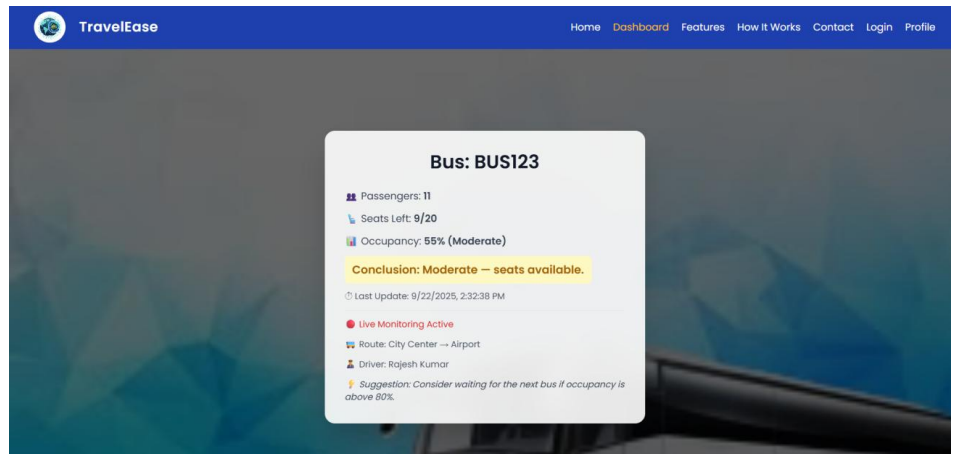
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**LOGIN PAGE:**  


**PROFILE PAGE :**

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**RESULT SCREEN:**

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