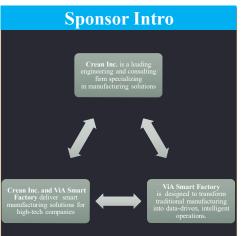


I2.02 - Conversational AI Integration for Crean and VIA Smart Factory

Brenden Henicke, Alejandro Sanchez, Cameron Eikel James Crean



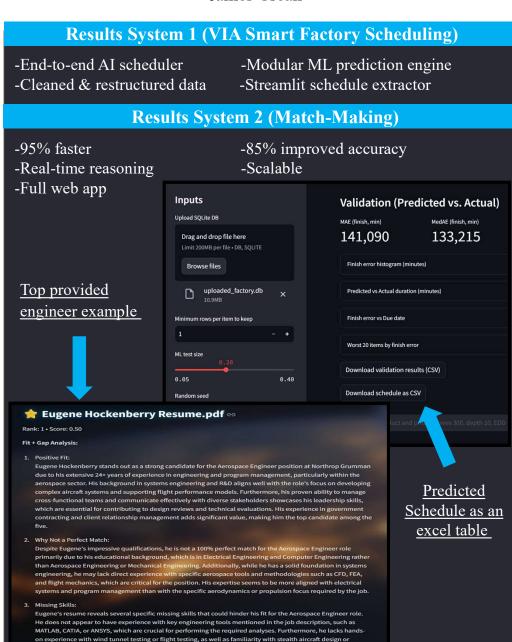


Project Overview

- 1. Automating consultant matchmaking with AI.
- AI system to predict schedules and optimize production in high-mix factories.

Designs: VIA vs Match

Input	
Data Prep	ResumeEmbeddings
Table Flattening	FAISS Index
Cleaned Input	Job Embedding
Logic	
Scheduling Rules	Similarity Scoring
EDD + SPT	Candidate Ranking
Simulation Engine	AI Reasoning
Output	
Predicted Times	Ranked Matches
Delivery Metrics	Fit Analysis
KPI Results	Skill Gaps



systems engineering processes like DOORS. Additionally, there is no indication that he has experience with composite structures or propulsion integration, which are preferred qualifications for the position.

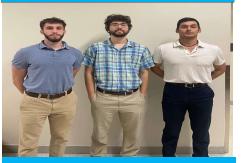
Future Plans (VIA)

- •±6 hr accuracy
- •Higher on-time rate
- •Lower tardiness
- •Less manual planning
- •Cloud/Server deployment
- •Real-time DB integration
- •New key scheduling factors

Future Plans (Match)

- Dynamic rotating background
- Industry-grade scaling
- •AI chat assistant for preference-based matching

Team Members



Acknowledgments

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