



# CS491 SENIOR DESIGN PROJECT

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**Group Name:** Interly.ai

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# INTRODUCTION

## Web Application: Candidate Analysis in Online Interviews

- A video-chat application
- Recruitment Tracking
- Mood analysis (emotion detection)
- Personality detection
- Anxiety detection
- Self-confidence detection



## TECHNOLOGIES

- For emotion detection, we have used FER.
- Link: <https://pypi.org/project/fer/>
- The model used: MTCNN
- Our plan is to create a CNN model for Big-5 Personality Detection.
- We plan to use First- Impressions Dataset
- JitsiAPI, PostgreSQL, React, Spring Boot, Jira, Github



# INNOVATION

- Different experience from other video call apps
- Automated real time video analysis
- Concurrent support from AI making hiring processes more fair and trustable
- Analysis of hiring managers performance
- Optimization of hiring processes,
  - meaning more qualified workers,
  - more production,
  - more profit

# Gantt Chart

