



Designed to **simplify and automate** the grant submission process



#### Team Composition:

3 Senior Engineers,  
1 Project Manager



#### Project Duration:

6 months (fixed scope)  
& ongoing support phase



#### Tech Stack:

React, Python, Fast  
API, Azure, Next. Js

## Project Overview

Grant Engine is a web platform that **streamlines grant submissions by automating checks for accuracy, formatting, and compliance**—boosting approval rates and helping entrepreneurs secure funding efficiently.

## Business Challenges

- **Manual document validation** processes leading to time-consuming submissions
- **High error rates and formatting inconsistencies** affecting approval outcomes
- **Inefficient feedback tracking** and version control during review cycles
- **Limited collaboration** among review teams

## Solutions Delivered

- **Automated Document Review:** Created a system to validate and verify grant submissions using custom rules and automated checks.
- **Advanced Feature Set:**
  - Verified content across multiple document types
  - Generated detailed error reports
  - Utilized PDF parsers and LLM models for extraction and analysis
  - Presented extracted insights effectively for reviewers
- **Enhanced Usability:** Improved team collaboration, feedback management, and document quality through an intuitive interface and streamlined communication

## Results & Impact

- **40%** faster grant submissions
- **70%** increase in document review efficiency
- **70%** boost in team productivity
- **Reduced manual effort** and submission errors
- **Improved tracking**, version control, and team communication

## Conclusion

- **With Techverx's expertise, Grant Engine became a powerful SaaS tool** that automates grant submissions, boosting efficiency and success rates for entrepreneurs.