

# AdmitGuard: Admission Data Validation & Compliance System

Solution Proposal — Week 1 Vibe Coding Project

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# The Problem

Current admission processes rely on manual Excel data entry with critical vulnerabilities:



## No Validation

Candidate data entered into Excel with zero validation rules — typos and invalid entries go unnoticed



## Late Discovery

Ineligible candidates discovered only at final document verification stage — wasting resources



## No Audit Trail

No structured way to handle exceptions or document approvals — decisions cannot be reviewed later



## Manual Updates

Rules change between cohorts — painful and error-prone to update manually across spreadsheets

A stylized illustration of a man with dark hair, wearing a light blue striped shirt and a dark blue tie. He is sitting at a desk, looking down with his hands on his head in a gesture of stress or despair. There are several stacks of papers and documents on the desk in front of him. The background is a soft purple.

# The Real Cost



## Wasted Time

Hours spent on ineligible candidates across counseling, testing, and interviews — resources drained on invalid applications



## Candidate Experience

Rejections after advanced stages damage trust and institutional reputation — poor experience for applicants



## Compliance Risk

No documentation for exception decisions — institutional partners can question admissions legitimacy



## Operational Overhead

Every cohort requires manual rule updates in spreadsheets — error-prone and slow process

# Introducing AdmitGuard

A smart browser-based form that eliminates data entry errors and ensures compliance:



## 25+ Eligibility Rules

Enforces validation at point of entry — blocks submission for strict violations



## Fake Data Detection

Identifies fake names, emails, and phone numbers before submission



## Exception System

Allows exceptions with documented rationale — full audit trail maintained



## Real-Time Sync

Data syncs to Google Sheets instantly — works on any browser, no installation

Live demo: <https://aditi23garg.github.io/admitguard--Aditi->

# Live Demo

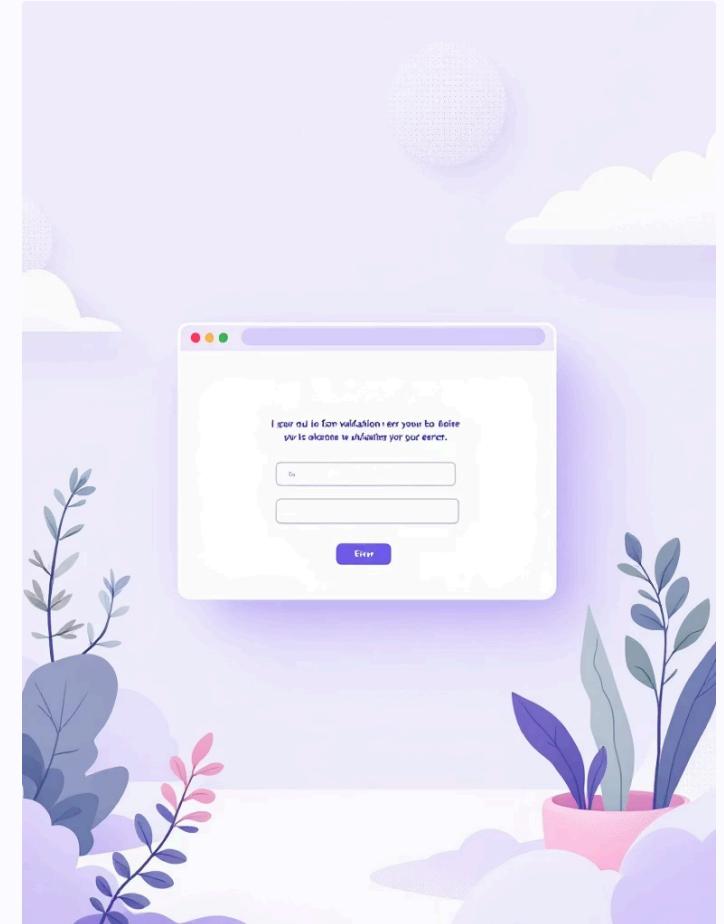
## Interactive Experience

Try the live application and see validation in action:

<https://aditi23garg.github.io/admitguard--Aditi->

## Demo Flow

1. Enter invalid data — see instant red error messages
2. Test fake detection — repeated names and invalid emails
3. Trigger soft rules — view yellow warnings and exception options
4. Add 3 exceptions — see manager review flag
5. Submit successfully — watch Google Sheets update
6. Review audit log — view complete submission history



# How It Works



## User Fills Form

Candidate enters data through intuitive browser interface



## Validation Engine

Reads rules.json configuration file — applies 25+ eligibility checks



## Rule Processing

Strict rules block with red error | Soft rules trigger yellow warning + exception option



## Data Persistence

Save to localStorage (offline fallback) → Send to Google Sheets (real-time sync)



## Audit Log Updated

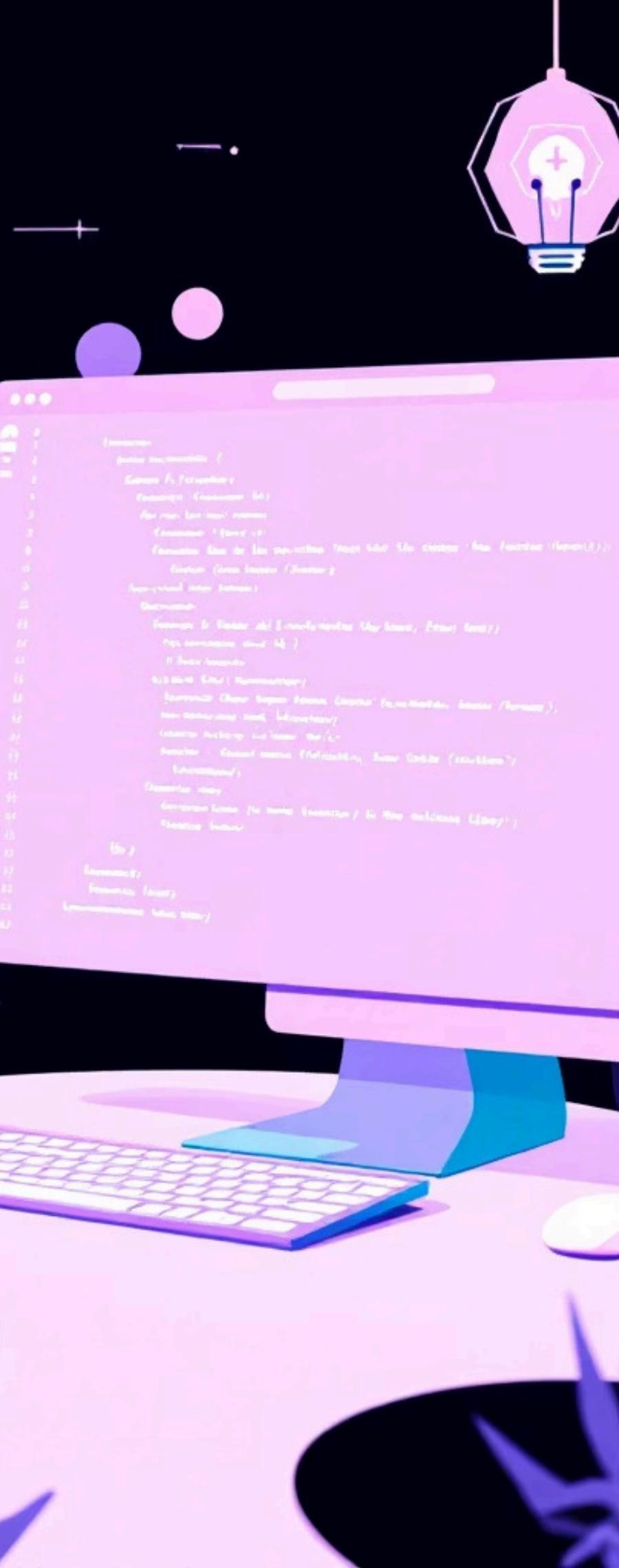
Complete history of all submissions, exceptions, and decisions maintained

## Technology Stack

- HTML + CSS + JavaScript (single file)
- Google Apps Script middleware
- GitHub Pages hosting (free, live)

## Data Flow

- rules.json — Configurable rules file
- localStorage — Browser-side persistence
- Real-time Sheets sync



# How It Was Built: Vibe

## Coding with Claude AI

### Framework: R.I.C.E.



#### Role

"You are a senior frontend developer building admission forms"

2

#### Intent

Build form with 11 fields and validation logic

3

#### Constraints

Single file, no frameworks, specific rules

4

#### Examples

Valid phone: 9845123456 | Invalid: 9999999999

## Development Process

**8 prompts generated 15+ iterations across 19 GitHub commits**

Iterative refinement ensured robust validation and user experience

## Key Bugs Fixed

- "SSSSSS" passing as valid name → fixed with regex
- "kdfdl.com" as valid email → improved validation
- "0003" accepted as birth year → range check added
- Negative percentage accepted → input sanitization
- CORS blocking Sheets → resolved via GitHub Pages

# Current Limitations & Roadmap

## Current Version

- No authentication — anyone with URL can access
- Rules need code knowledge to update
- No email notifications for flagged entries
- Single user — no multi-team support

## Version 2 Roadmap

-  Login system for counselors and managers
-  Visual rule editor — update without code
-  Email alerts when entries are flagged
-  Analytics dashboard — exception rates, trends
-  Multi-institution support — each org owns rules
-  Mobile-responsive design

# Recommendation

Deploy AdmitGuard as the standard data entry interface for all cohort admissions — starting with the next intake.

## 3-Step Deployment Plan

01

### Week 1: Pilot Program

Launch with operations team, gather feedback on validation rules and user experience

02

### Week 2: Security Layer

Add authentication system for counselors and managers — role-based access control

03

### Week 3: CRM Integration

Connect to existing CRM system — seamless data flow across platforms

## Expected Outcomes



### Zero Ineligible Candidates

Eliminate ineligible candidates reaching document verification stage



### Full Audit Trail

Complete documentation for every exception and decision



### Flexible Rules

Update rules between cohorts without developer involvement



### Real-Time Data

Google Sheets visible to entire team — transparent collaboration

**The app is live. It's tested. It's ready today.**