


# AI-Powered Automated Employee Onboarding System





# Agenda

- **Problem Statement**
  - **Proposed Solution**
  - **How It Works**
  - **Tech Stack**
  - **Benefits & Impact**
  - **Hackathon Focus**
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# Problem Statement

Traditional employee onboarding is manual, time-consuming, and inconsistent. HR teams spend hours sending offer letters, explaining policies, and setting up work environments. This results in:

- ✓ **Delays in communication** → New hires wait longer for responses.
- ✓ **Inconsistent onboarding experiences** → Some employees get better guidance than others.
- ✓ **Increased HR workload** → Repetitive tasks take away time from strategic work.

# Solution: AI-Driven Automated Onboarding

We are building an end-to-end AI-powered onboarding system that streamlines the entire process from offer letter distribution to work environment setup.

## How it works ?

### Stage 1: AI-Powered Offer Letter Distribution

- The company uploads a list of selected and rejected candidates.
- The system automatically sends emails with offer letters or rejection notifications.
- Eliminates manual follow-ups and ensures instant communication.



## Stage 2: AI Chatbot-Driven Employee Orientation

- New hires receive their credentials & portal access.
- AI chatbot explains policies, leave management, payroll details, and HR processes.
- Employees get instant responses instead of waiting for HR assistance.

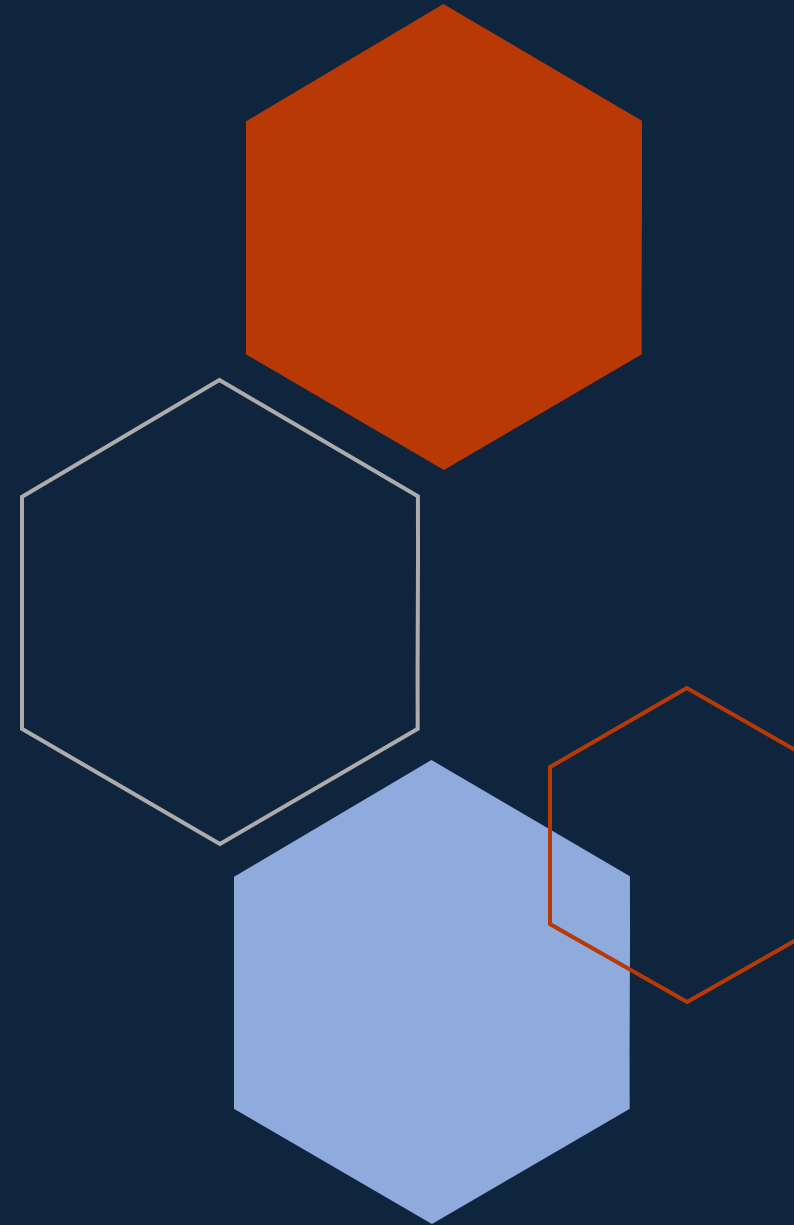
## Stage 3: AI-Enabled Work Environment Setup

- Automated system setup for work tracking, training modules, and progress monitoring.
- The bot manages training assignments and work tracking, reducing dependency on HR.
- Employees get a structured, guided onboarding experience with AI-driven assistance.



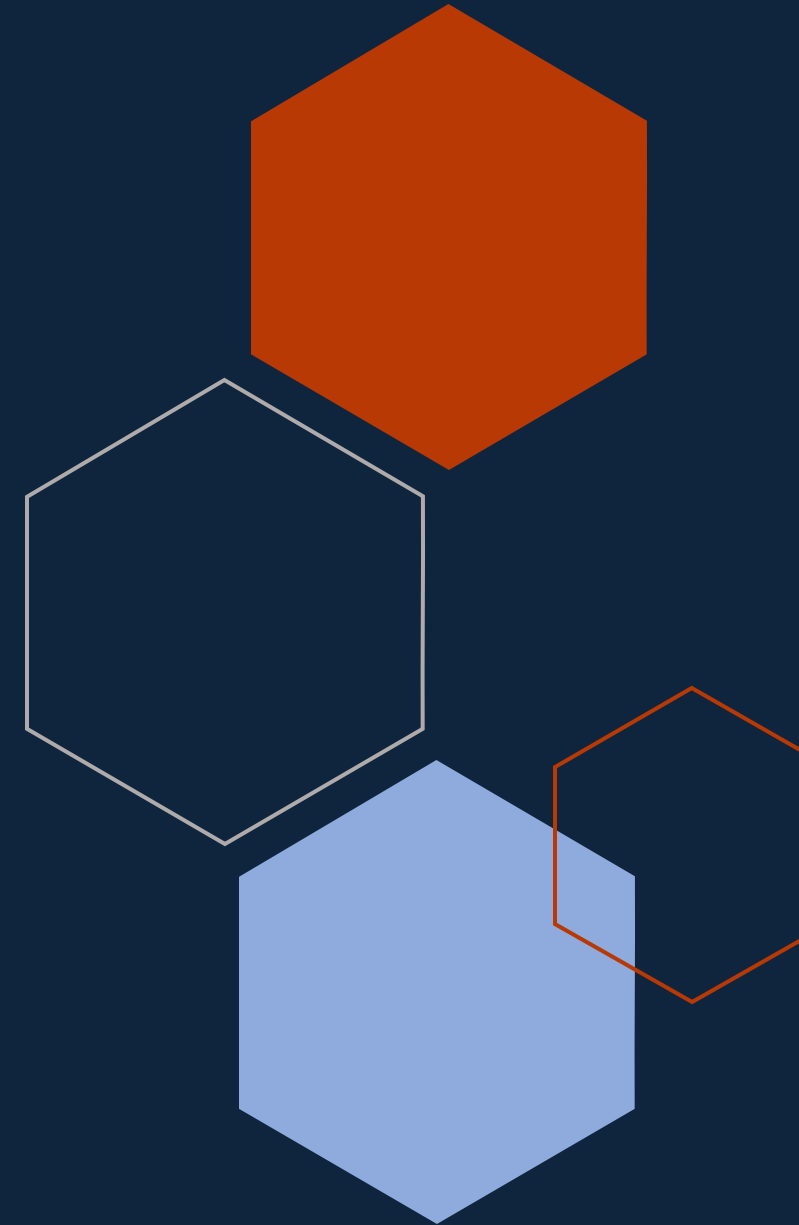
# Tech Stack

- Backend: MongoDB
- Frontend: React
- AI Integration: Ollama (AI-driven chatbot & automation)




# Why This Matters?

- 80% Reduction in HR Workload → AI handles routine tasks.
- Instant Communication → No delays in offer letters & onboarding guidance.
- Consistent Employee Experience → Every new hire gets standardized onboarding.
- Faster Productivity → Employees get started with work sooner & smoothly.



# Market & Potential Impact

 Ideal for: Growing companies, HR automation providers, remote workforces.

 Scalability: Can expand to contractor onboarding, performance tracking, and career development guidance.








## What We Need ?

- AI chatbot integration to automate employee guidance.
- Automated email & offer letter dispatch system.
- Work environment setup automation for training & tracking.



We're not just automating onboarding—we're redefining how employees start their journey in a company. With AI-powered automation, we eliminate delays, reduce HR workload, and provide a seamless, structured, and intelligent onboarding experience.

👥 Join us in transforming HR with AI!!!

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**Thank You**