

SEOBooster AI - Project Report

Title

SEOBooster AI: Full Stack AI-Powered SEO & Digital Marketing Automation Platform

Author

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Abstract

SEOBooster AI is a full-stack AI-powered digital marketing automation platform designed to perform complete on-page and off-page SEO, backlink generation, and automated content distribution. Users only need to input a URL or prompt, and the intelligent AI agent performs technical SEO, creates optimized content, designs social media posts, generates promotional videos, and even posts them automatically on platforms like Facebook and Instagram.

Objective

To build a complete web-based solution that:

- Performs website SEO audits and auto-corrections
- Generates and distributes AI-created SEO-rich content
- Automates backlink generation and monitoring
- Publishes posts on social media with AI-generated images/videos
- Provides analytics and real-time performance tracking

Key Features

1. On-Page SEO Engine
2. Off-Page SEO Suite
3. AI Content & Post Generator
4. Social Media Automation
5. Performance Dashboard

Tech Stack

Frontend: React.js

Backend: Node.js with Express

AI: Python (OpenAI, TensorFlow)

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Database: MongoDB / PostgreSQL

Hosting: AWS / Vercel

AI Modules

- seoBot: For scanning & improving webpages
- contentGen: For writing AI blogs/captions
- imageGen: For visual creatives
- postScheduler: For auto-posting and campaign scheduling

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Use Case

Ideal for:

- Digital marketing agencies
- SEO consultants
- E-commerce platforms
- Influencers and content creators

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Project Status

MVP Development Started

Currently Building SEO & Content Modules

Scheduled Next: AI Auto-Posting System