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WEB / APP



Global Eco-Friendly Travel Planner

Backstory:

Tourism is a major contributor to climate change due to the carbon emissions from flights, cruise ships, and other travel modes. As people become more environmentally conscious, there's a growing demand for sustainable travel options, but there's no all-in-one platform that helps travelers plan eco-friendly trips without compromising on convenience or experience.

Problem Statement:

Build a web-based eco-travel platform that allows users to plan and book sustainable travel experiences. The platform should provide users with tools to calculate the environmental impact of their travel choices, suggest greener alternatives, and connect them with eco-conscious accommodations and activities.

Example Features:

- Carbon Footprint Calculator: A tool that calculates the environmental impact of various travel options (flights, trains, electric vehicles), offering greener alternatives and carbon offset suggestions.
- Eco-Conscious Accommodation Finder: A database of eco-friendly hotels, resorts, and homestays, with user reviews, sustainability certifications, and carbon offset packages.
- Many more features: Green travel itineraries, partnerships with local eco-tourism providers, real-time environmental impact assessments, and options to donate to reforestation projects or environmental NGOs.

Smart Inventory and Waste Reduction System

Backstory:

Retailers often struggle with excess inventory, resulting in waste and lost revenue, especially in industries such as food, fashion, and consumer electronics. Efficient inventory management systems exist, but they often fail to predict demand fluctuations accurately, leading to overstock or stock shortages. There is a growing need for smart systems that can optimize inventory levels, reduce waste, and improve sustainability.

Problem Statement:

Create a smart web-based inventory and waste reduction system that allows retailers to track, manage, and optimize their stock levels in real-time. The system should forecast inventory needs based on historical data and sales trends, while also alerting retailers to potential waste due to overstocking or expired products. The platform should aim to reduce both waste and operational costs while improving sustainability efforts.

Key Requirements:

- Dynamic Inventory Forecasting: Use historical sales data, seasonality, and trends to automatically adjust inventory levels, preventing overstocking and shortages.
- Waste Management Alerts: Notify retailers when products are nearing expiration or when stock levels are abnormally high, enabling proactive discounting or redistribution.

Example Features:

1. Smart Reordering System: Automatically reorders items based on predicted demand, ensuring retailers always have optimal stock levels without excess.
2. Waste Reduction Dashboard: Track and analyze waste data, enabling retailers to make informed decisions about restocking, clearance sales, and sustainability goals.

Virtual Wardrobe Management System: Your Personalized Digital Closet

Backstory:

With the growing number of online shopping platforms and increasing collections in personal wardrobes, many individuals struggle to manage their clothing efficiently. Choosing outfits, tracking items, and staying organized can become overwhelming. People need a solution that helps them digitize and manage their wardrobe, offering convenience in outfit planning, tracking, and style suggestions.

Problem Statement:

Develop a virtual wardrobe management system that allows users to digitally organize their clothing, create and plan outfits, and receive personalized style recommendations. The platform should help users visualize their wardrobe, track what they own, and optimize their fashion choices, promoting a more organized and sustainable approach to clothing management.

Expected Features:

- **Digital Wardrobe:**
 - Users can upload images of their clothes, shoes, and accessories to create a virtual closet. Items will be categorized by type, color, season, and other filters for easy organization.
- **Inventory Management:**
 - Track the wear frequency of each item, monitor when clothes are last worn, and keep track of wardrobe inventory to avoid clutter or buying unnecessary duplicates.
- **Sustainable Fashion Insights:**
 - Provide users with eco-friendly outfit suggestions and highlight sustainable fashion practices. Encourage the use of existing clothes, second-hand purchases, or upcycling to promote conscious fashion choices.
- **Virtual Try-On:**
 - AR-based visualization allowing users to virtually try on clothing from their wardrobe or newly purchased items, enabling better outfit decision-making.



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**ARTIFICIAL INTELLIGENCE
AND
MACHINE LEARNING**



AI-Powered Legal Document Management System

Backstory: Law firms and legal departments deal with massive amounts of paperwork, contracts, and case files. Manually managing these documents can be time-consuming and prone to human error, leading to inefficiencies and missed opportunities. AI and web technologies can offer an innovative solution for managing legal documents more effectively.

Problem Statement: Create a web-based AI-powered legal document management system that helps law firms and in-house legal teams automate the creation, storage, retrieval, and review of legal documents. The system should integrate with existing tools and provide intelligent search, automated document generation, and legal compliance checking.

Example Features:

- AI-Powered Document Search: A tool that uses natural language processing (NLP) to quickly find relevant documents, clauses, and legal precedents based on keywords, context, and legal requirements.
- Automated Contract Generation: A feature that helps generate contracts based on predefined templates, with AI suggesting appropriate clauses based on the specific legal context.
- Many more features: Secure collaboration tools, e-signature integration, version control, and real-time compliance monitoring for GDPR, HIPAA, and other regulations.

SOP Query System for a Diverse Workforce

Backstory:

A restaurant chain with employees ranging from 5th-grade graduates to MBA holders, speaking various regional and international languages, struggles with making Standard Operating Procedures (SOPs) easily accessible and understandable to all. The current system of static documents is ineffective, causing confusion and delays. Management needs a solution that allows employees to query SOPs in their native languages and ensures updates are easy to implement.

Problem Statement:

Build a Multilingual SOP Query System where employees can access and query SOPs in real-time, in their preferred language. The system should leverage existing SOP flowcharts and provide visual aids to explain procedures clearly. Management should be able to easily update and modify SOPs using a user-friendly interface.

Key Requirements:

- Multilingual Query System: Employees can query SOPs in their native language, receiving text or visual responses.
- Visual Flowcharts: Each procedure is accompanied by interactive flowcharts to guide employees step-by-step.
- Easy SOP Management: Management can update and create SOPs with visuals through a simple interface.

Example Features:

1. Voice-Activated Queries: Employees can use voice commands to ask about SOPs, receiving in their language.
2. Interactive Flowcharts: Visual SOPs help simply complex procedures

AI-Driven Financial Risk Management and Personal Finance Assistant

Backstory:

In a rapidly changing financial landscape, individuals and institutions face significant challenges in managing personal finances while navigating market risks. Without the right tools, it becomes difficult to assess investment risks in real-time and maintain control over everyday spending. Both financial institutions and individuals need a comprehensive system that helps manage market risks and provides personalized financial advice to ensure smarter financial decisions.

Problem Statement:

Develop an AI-driven financial risk management and personal finance assistant that autonomously manages both market risks and personal finances in real-time. The system should analyze live financial data, predict market trends, detect anomalies, and forecast immediate and long-term risks across asset classes like stocks, bonds, and derivatives. At the same time, it must integrate with users' bank accounts, categorize transactions, and provide insights into their spending and saving habits.

The system should dynamically adapt to market changes using machine learning, offering personalized risk mitigation strategies and budgeting advice. Users should receive predictive analytics, real-time alerts for unusual spending, and tailored budgets that align with their financial goals. The platform must ensure regulatory compliance and provide advanced visualization tools to present insights that help users make informed decisions.

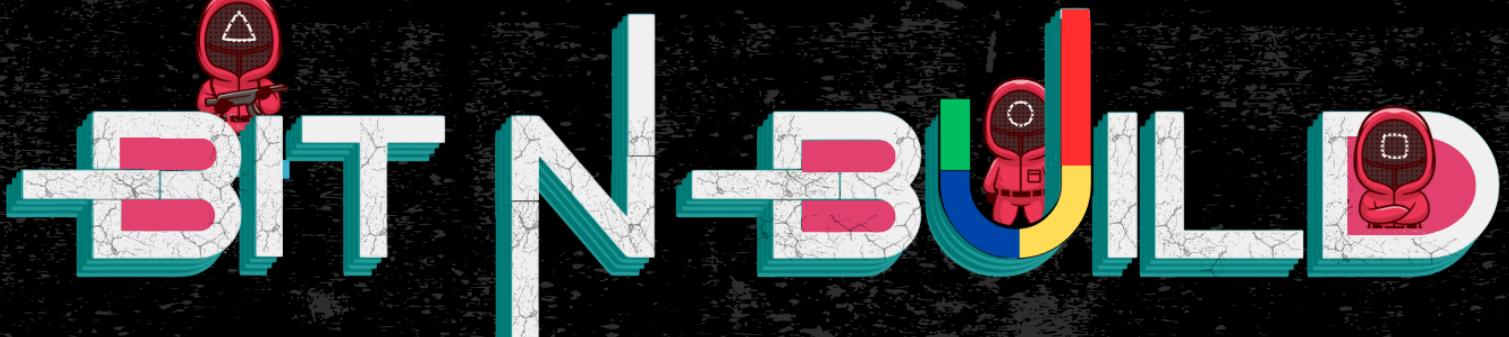
Key Features:

1. Real-Time Risk Assessment: AI-driven system forecasts financial risks across multiple asset classes, offering personalized risk mitigation strategies based on real-time data.
2. Personal Finance Management: Integrates with users' bank accounts to generate personalized budgets, spending insights, and real-time alerts, with gamification elements to reward positive financial behaviors.



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BLOCKCHAIN



Blockchain-Based eCommerce Warranty System Using NFTs

Backstory:

In the eCommerce industry, managing product warranties is often a cumbersome and opaque process. Customers struggle with misplaced warranty cards, counterfeit warranties, and complicated claim procedures. Retailers and manufacturers face difficulties in tracking warranty claims and handling fraudulent claims. With the rise of blockchain technology, particularly NFTs, there's an opportunity to revolutionize the warranty management process, making it more secure, transparent, and easily transferable.

Problem Statement:

Develop a Blockchain-Based eCommerce Warranty System that uses non-fungible tokens (NFTs) to represent product warranties. Upon purchasing a product, customers will receive a unique NFT, ensuring the warranty's authenticity, immutability, and traceability. The system should allow customers to verify, track, and transfer warranties seamlessly through the blockchain when products are sold or gifted. Retailers and manufacturers can benefit from real-time analytics on warranty claims and usage, reducing fraud and improving customer satisfaction.

Key Requirements:

- **NFT-Based Warranty Management:** Issue unique NFTs as digital warranties for products purchased, securely stored on the blockchain.
- **User-Friendly Interface:** Enable both consumers and sellers to easily interact with the system, verify warranty authenticity, and manage claims through an intuitive dashboard.
- **Seamless eCommerce Integration:** Ensure compatibility with existing eCommerce platforms for effortless adoption and scalability.
- **Warranty Transferability:** Allow customers to transfer warranties when products are resold or gifted, simplifying the process and adding value to secondary markets.

Decentralised Document Verification System

Backstory:

Verifying important documents like degrees, certificates, and transcripts can often take too long and cause delays, especially in hiring processes. Employers and institutions spend time contacting issuing bodies to confirm authenticity, leading to inefficiencies. Plus, there's always the risk of fraud with fake credentials. There's a need for a faster, more secure, and easier way to handle this process.

Problem Statement:

Create a blockchain-based system where individuals can upload their academic and other important credentials for safe and easy verification. This system should allow employers and educational institutions to quickly and securely check the authenticity of these documents without needing to reach out to the issuing body, while also preventing fraud.

Expected Features:

- Document Upload & Storage:
 - Individuals can upload diplomas, certificates, and other important documents to the blockchain, storing them securely and forever.
- Automated Verification:
 - Smart contracts will automate the document verification process, letting employers and educational institutions confirm authenticity quickly without contacting the original issuer.
- Identity Verification:
 - To ensure that only the rightful owner shares documents, the system will use government-issued digital IDs or biometric verification (like fingerprints or facial recognition).
- User Control:
 - Users will have full control over their documents, managing who can access and verify them. They can easily share credentials with employers or schools when needed.

Event Hub: Blockchain-Based Attendance Tracking and Engagement Reward System

Backstory:

Managing attendance at large-scale events like concerts, conferences, or festivals can be chaotic, inefficient, and vulnerable to fraud. Event organizers often struggle with verifying attendance, incentivizing participation, and ensuring smooth crowd management. There is a growing need for a secure, scalable system to authenticate participation while offering rewards and maintaining transparency. This is where blockchain technology and NFTs can revolutionize the way attendance is tracked and engagement is rewarded, creating a seamless experience for both organizers and attendees.

Problem Statement:

Develop Event Hub, a decentralized platform that tracks attendance using blockchain technology and rewards participants for engaging with events. The system should issue verifiable Proof-of-Attendance NFTs (POAPs) to attendees as tamper-proof digital tokens, providing a secure, immutable record of attendance. The platform should be scalable to handle large events such as concerts, while implementing queue management systems to manage crowds efficiently. Attendees can earn rewards such as tokens, digital badges, or collectible NFTs, which can be redeemed for event-related perks or exclusive experiences. The solution must handle multiple events simultaneously, offer customizable reward structures, and ensure seamless integration with existing event management systems, while prioritizing user privacy and secure data storage.

Key Features:

1. Digital Proof of Attendance (NFTs): Issue unique, verifiable NFTs to attendees as proof of participation, ensuring secure and tamper-proof records.
2. Scalability and Queue Management: Handle large-scale events with features like queue management to ensure efficient check-ins and smooth operations.



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the best!!

