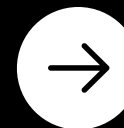# Kara

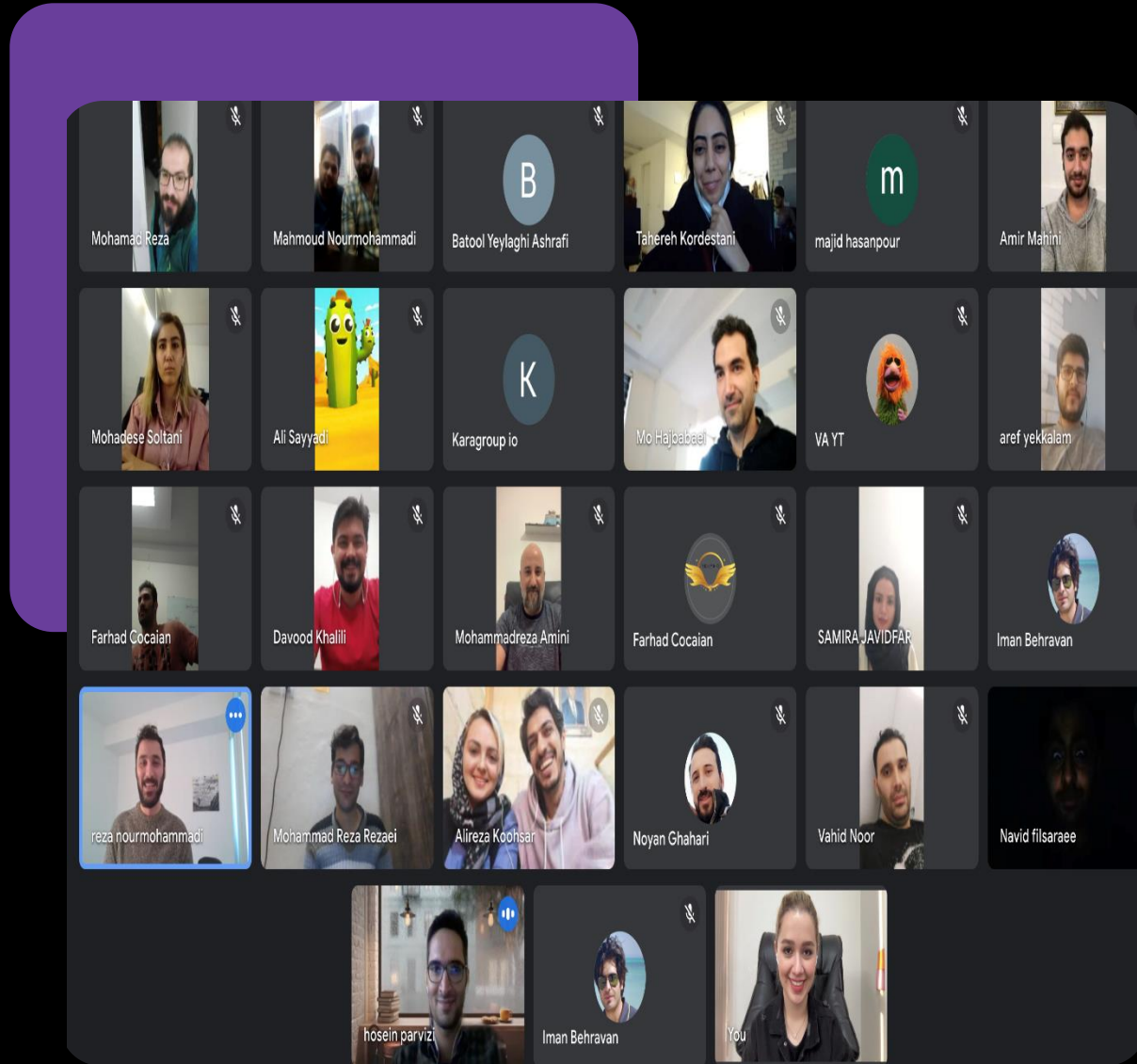Development Of Distributed Solutions

Get Started →

Welcome to Kara

Kara excels in blockchain, AI, Privacy-Enhancing Technologies (PET), and quantitative analysis. We offer innovative solutions, including:

•**Blockchain development and integration**

•**AI and machine learning services**

•**Privacy-focused technologies(PET)**

•**Predictive modeling and analytics**

•**Strategic technical consultancy**

•**Custom algorithm development**

Driven by innovation and expertise, we focus on delivering efficient and impactful solutions for various industries.

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About Us

Kara Group is a family of several specialized groups in the fields of technology and programming, consultancy, education, content and research, which operates internationally in the field of blockchain development.
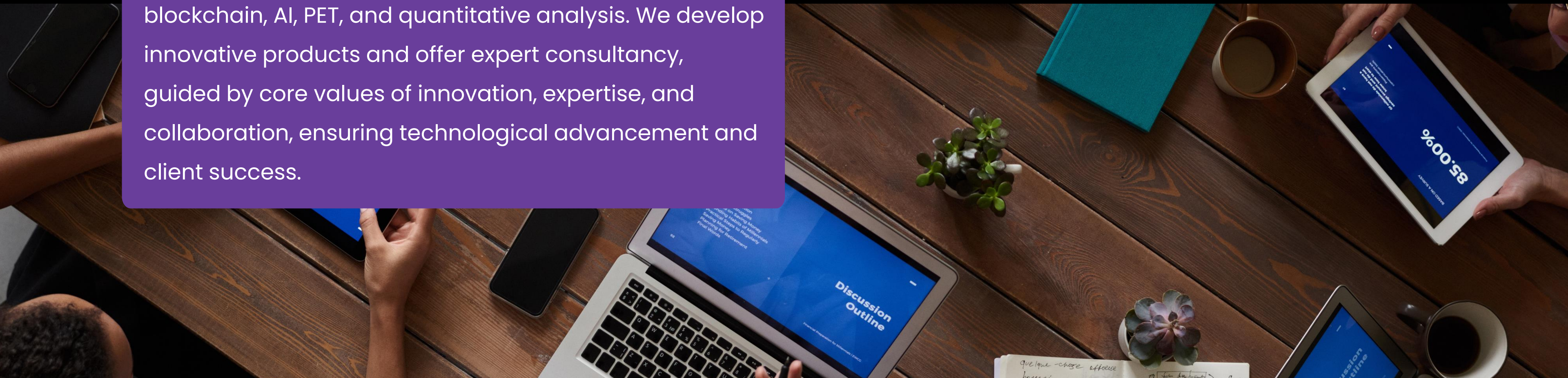
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Kara's values

Kara is comprised of several specialized units and professional teams, including Technical, Financial Analysis, AI, and Content. We always prioritize our users, striving to create maximum value and provide the best experience possible.

Kara Group is an international company specializing in blockchain, AI, PET, and quantitative analysis. We develop innovative products and offer expert consultancy, guided by core values of innovation, expertise, and collaboration, ensuring technological advancement and client success.

Meet Our Team

David Khalili

(CTO)

DR. Reza Nourmohammadi

(Founder and CEO)

Iman Behravan

(AI Team Lead)
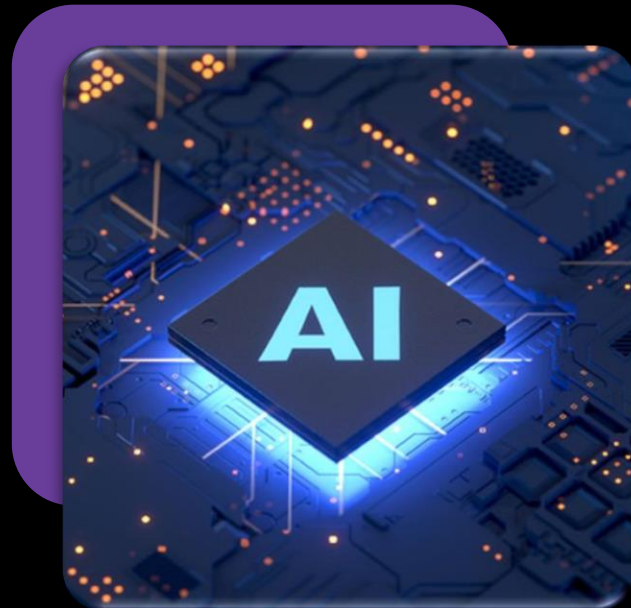
Our Blockchain & AI Solutions

At Kara, we excel in developing cutting-edge blockchain products and advanced AI systems. Our expertise spans from creating robust blockchain platforms to implementing sophisticated AI models.

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Development

We specialize in blockchain solutions like DEXs, cross-chain bridges, and DeFi products. Our platforms include Karo (P2P lending) and NFT marketplaces.

AI

We build AI systems that automate processes and enhance decision-making. Our AI solutions drive innovation across various industries.

Consultancy & Privacy Solutions

Kara provides expert consultancy and privacy solutions to address complex technological challenges. We guide businesses with our extensive knowledge and ensure data protection through advanced privacy-enhancing technologies.

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Consultancy

We offer specialized advice in blockchain, AI, and emerging technologies, helping businesses navigate and overcome their unique challenges.

Privacy-Enhancing Technologies (PET)

We develop solutions that protect user data and ensure compliance with privacy standards, safeguarding digital environments.

Algorithmic Trading

Kara's algorithmic trading services leverage AI and machine learning to optimize trading strategies and enhance financial performance. Our diverse strategies and expert trading team set us apart in the industry.

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Algorithmic Trading

We design and implement advanced trading algorithms that maximize returns. Our strategies utilize AI to analyze market data, identify opportunities, and execute trades with precision. We employ a wide range of trading strategies, including high-frequency trading, arbitrage, and quantitative analysis, tailored to meet various market conditions. Our team of seasoned traders brings a wealth of experience and expertise, ensuring robust performance and risk management.

TimechainSwap DEX Aggregator

TimechainSwap Development: Kara handled all technical aspects of TimechainSwap, a DEX aggregator on BSC and FTM. We developed the front-end, back-end, and blockchain integration, optimizing swap rates and transaction efficiency.

Key Features:

•Cross-chain token transfers (BSC, FTM, ETH).

•Liquidity mining, yield farming, and staking rewards.

•Non-custodial platform with wallet integrations like Metamask.

•$15M in volume and 4,800+ transactions processed.

TimechainSwap delivers better swap rates and liquidity, offering users the best possible trading experience.
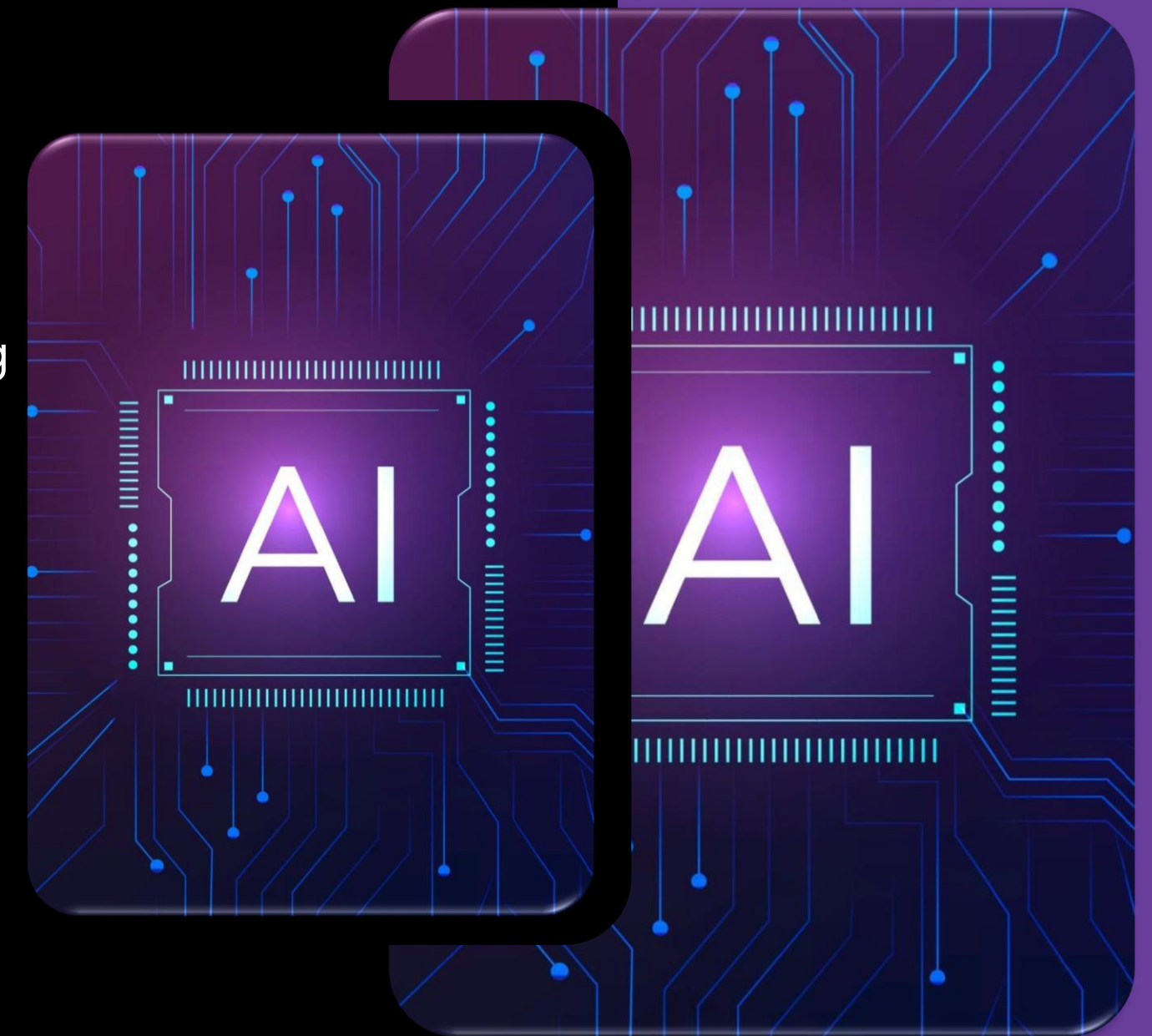
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CI

Kara developed an AI-powered platform for Creative Intell, focused on the music industry and agreements. Key AI features include:

•**Legal Question Answering**: A chatbot providing accurate legal responses using an LLM.

•**Clause Editing**: Offering feedback and suggestions for improving contract clauses.

•**Clause Identification**: Identifying clause types for efficient document analysis.

•**Text Summarization**: Summarizing long texts for easy understanding.

This platform also provides a library of legal templates and engaging learning content, like "The Intells" animated series.

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Real Estate Price Prediction

This project analyzed 38,898 property ads to predict housing prices in Tehran. Key steps included:

•**Data Collection & Preprocessing**: Gathered and cleaned property data.

•**Model Training**: Tested models like Decision Tree, XGBoost, Random Forest, KNN, and more.

•**Model Evaluation**: Decision Tree and XGBoost showed the best performance, while SVR and RBF Neural Network performed poorly.

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BeFunder Platform

BeFunder Development: A blockchain-based crowdfunding platform developed by Kara for project creation and investment using cryptocurrency.

Key Features:

- User-friendly dashboard for easy project creation and investment.
- Customizable funding periods, milestones, and prepayment options.
- Token-based transactions for approvals and milestone payments.
- Metamask integration for seamless wallet setup and token transfers.

Purpose: Enhances transparency, efficiency, and trust by leveraging blockchain's security and decentralization.

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Tokenization of Life Insurance Policies

We developed a platform to tokenize life insurance policies into unique NFTs, linked to the blockchain for secure transfer, management, and liquidity of assets.

Key features include:

•**Token Creation**: NFTs represent insurance policies, with unique identifiers and policy details.

•**Secure System**: A robust system to manage token data, including issuance, beneficiary updates, and redemption.

•**Transferability and Liquidity**: Enables seamless transfer and trading of insurance assets.

This solution provides policyholders a new way to manage and liquidate insurance assets.

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Advanced Federated Learning for Secure Cancer Prediction

This project developed a cancer prediction system with privacy-preserving features, using federated learning, KFedAvg, and Zero-Knowledge Proofs (ZKP) for data security. It enabled real-time classification and utilized IPFS for secure data storage and IoT integration with lightweight nodes. The solution also incorporated DAO for decentralized governance, focusing on scalability, open-source development, and regional launches. Key features included decentralized data training, enhanced model accuracy, and privacy validation without exposing raw data.

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Algorithmic trading

We have completed numerous projects in algorithmic trading, including:

•**Automated Trading Systems & Backtesting**: Developed systems for automated trading and rigorous backtesting to ensure reliability.

•**Market Data Analysis & Risk Management**: Focused on advanced data analysis and risk management strategies to optimize performance.

•**Execution Algorithms & Trade Monitoring**: Implemented efficient execution algorithms and continuous trade monitoring for better decision-making.

•**Advanced ML Solutions**: Leveraged predictive modeling, reinforcement learning, and sentiment analysis to enhance trading strategies.

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Kara Group

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You can contact us from the ways below

🌐 https://twift.finance/

📷 Twift.finance

✉️ twiftfinance@gmail.com

📞 LinkedIn/Karagroupio

More Information →

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For Your Time and Attention

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We hope this presentation has offered valuable insights into our innovative solutions. For further questions or discussions, feel free to reach out. We look forward to continuing our conversation and exploring future opportunities together.