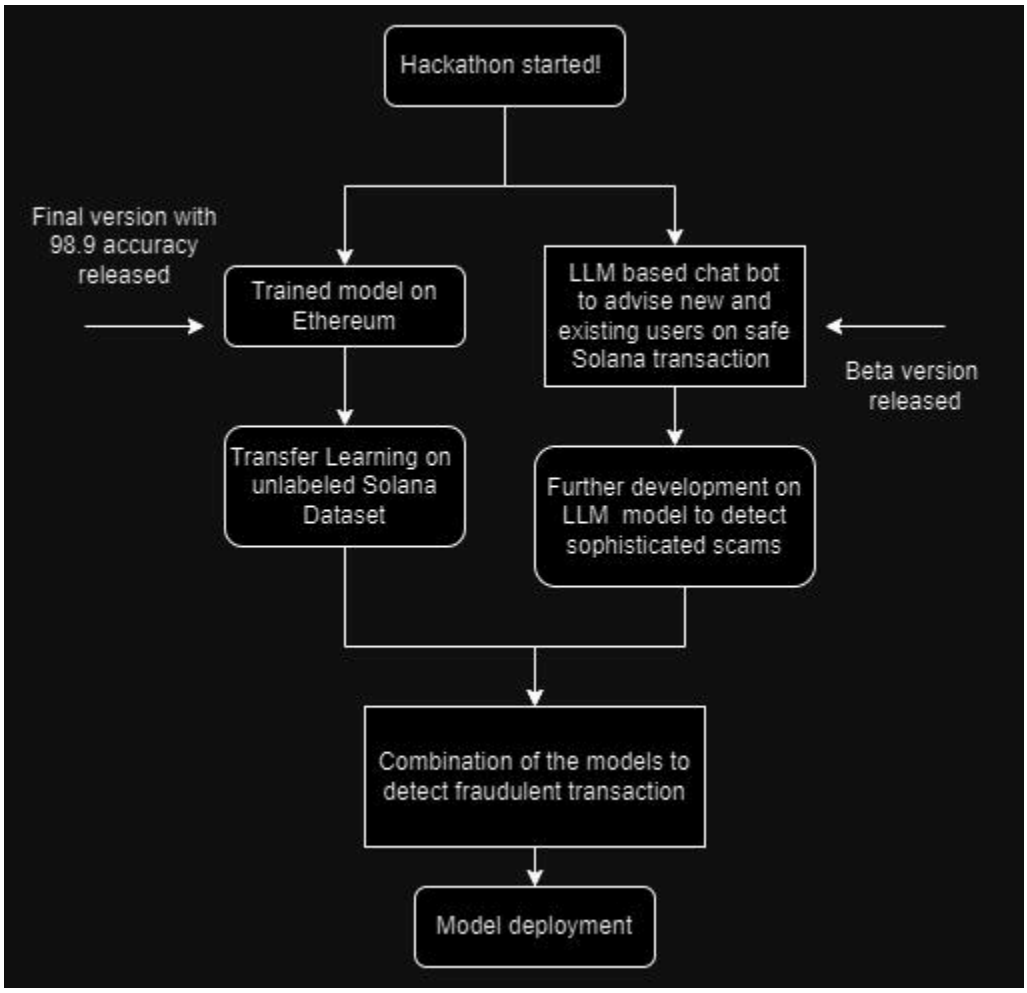
PITCH DECK: TrustNetAI: Solana's Intelligent Guardian

1. We used the Etherium fraudulent dataset to build a model using supervised learning.
2. To extract the features contributing the most to fraudulent transactions, PCA analysis was performed.
3. Since Ethereum is similar to Solana, the same features can be used to detect such transactions.
4. The model trained on Ethereum will be fine tuned on the Solana dataset using transfer learning.
5. LLM based model will be built to analyse common frauds such as Fake token offering and Ponzi scheme.



PITCH CONTENT 2:
Pitch Content
1. One-Liner Explaining What We Do
"Empowering the Solana Blockchain with AI-driven content moderation and fraud detection to create a safer, more trustworthy digital ecosystem."

2. State Your Problem Here Clearly

- In 2022 Avraham Eisenberg manipulated the Mango Market, a decentralized exchange (DEX) platform built on Solana Blockchain to acquire and liquidate various assets totaling $116 million. [1] [2]
- Scammers are using fake Solana giveaways to steal crypto. [3]
- Rug pull, Fake token offering, Honeypot contract, Ponzi scheme are common fraudulent transactions faced by all DeFi platforms. Previous models were developed using LSTM and novels models will be made using Transformers.

3. Existing Players Solving It But Poorly
- **Competitor 1 Name: Blockchain Watchdog**
  - Reasons: Limited by manual reporting mechanisms, lacks real-time detection, and offers no incentives for community engagement in flagging illicit activities.

- Competitor 2 Name: Solsniffer
  Sniff previous Solana tokens and based on that, estimates if they are scam or not. [5]

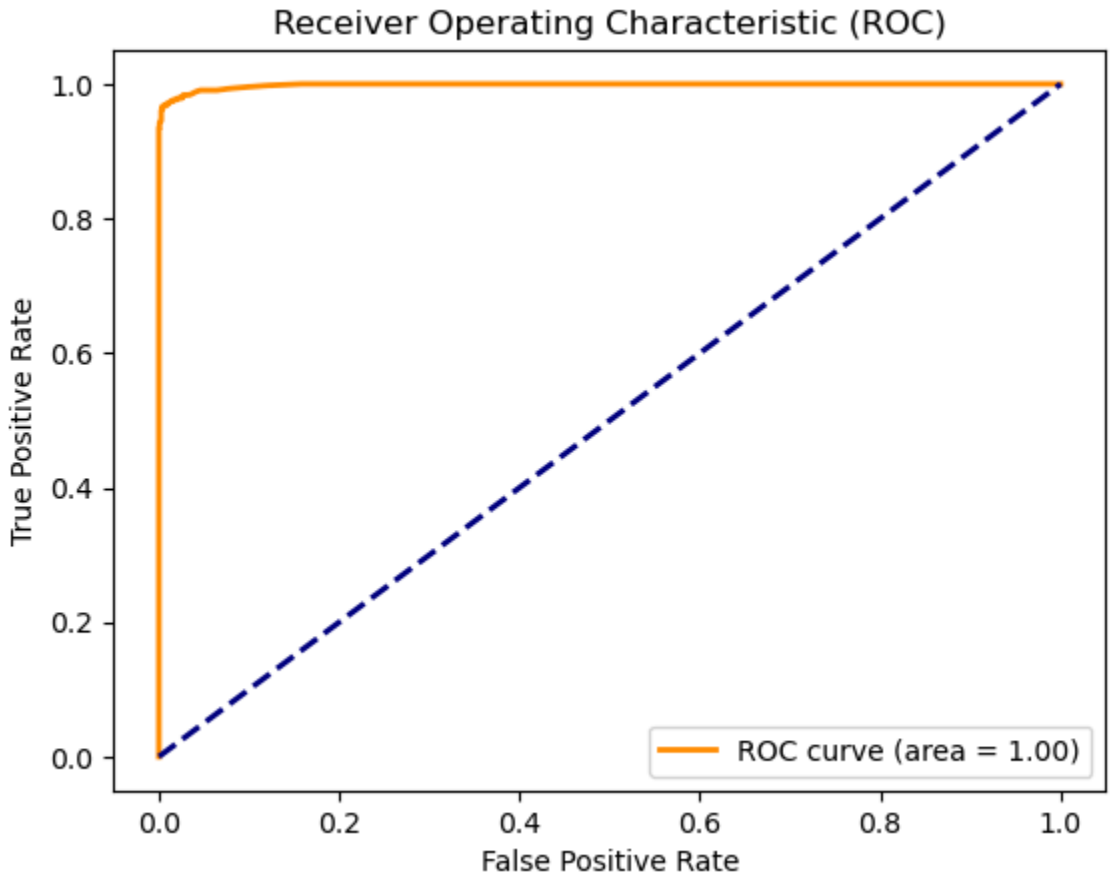
4. How Does Our Approach Stand Out
Our approach harnesses the computational power and decentralization of the Solana network, integrating AI to automatically monitor content and transactions for violations and fraud. Unlike existing solutions, we incentivize the community to participate in maintaining security, rewarding true positives and penalizing false flags, ensuring a self-improving system.
In contrast to Solsniffer, our model can detect if future transactions to a new address are fraudulent or not.

5. Video Ideas
- A day in the life of a Solana user before and after our solution, showcasing the reduction in scams and enhanced community interaction.
- Animated explainer video illustrating how AI detects fraud and profanity, and how users earn tokens for contributing to a safer platform.
- Testimonials from early adopters, highlighting specific instances where our solution prevented fraud or community violations.

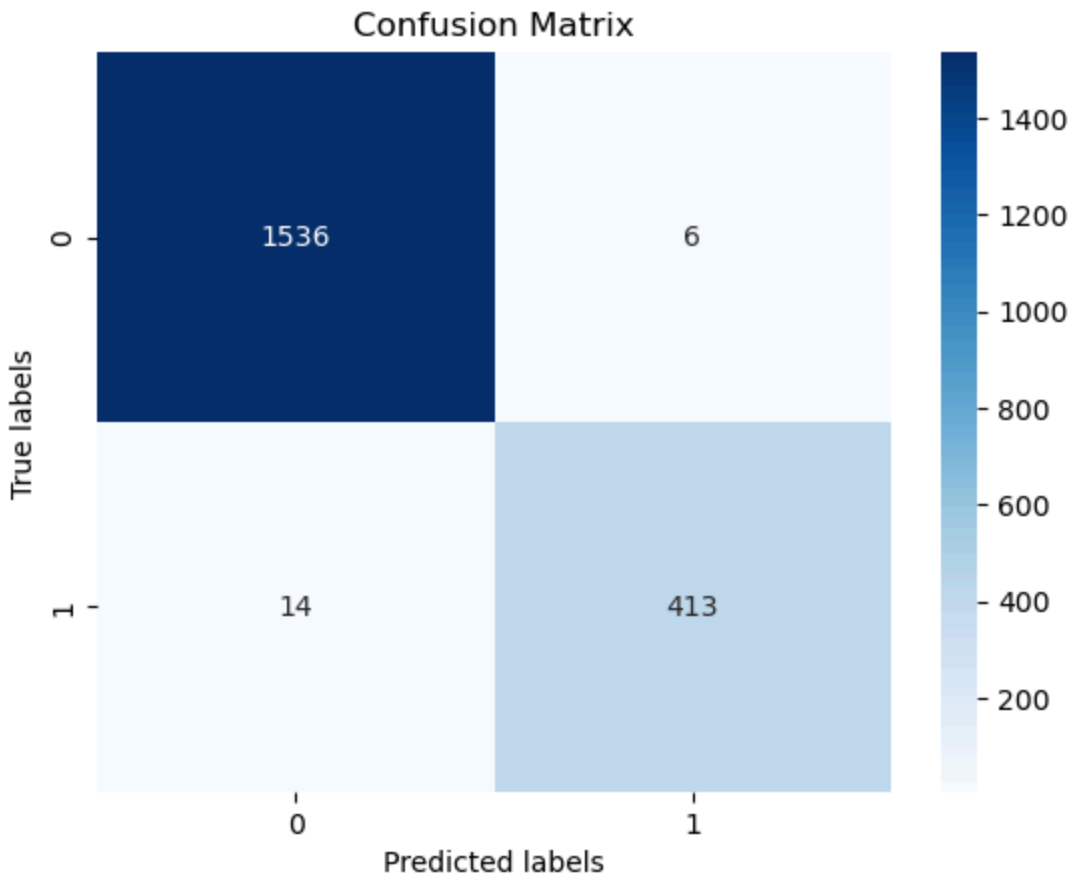
6. Making It Happen: Use Cases
Use case1: Leveraging the capabilities of an LLM for fraud detection and creating an open-source platform for security model deployment, this use case presents a forward-thinking strategy that aligns with the principles of blockchain technology—decentralization, transparency, and community collaboration—resulting in a robust, secure network that fosters innovation and rewards contribution.
Use case2: Open-Source Platform:
Develop an open-source platform where developers globally can collaborate, contribute, and deploy their security models. This initiative will:

Encourage Innovation: By allowing developers to contribute their models, the platform promotes a diverse range of solutions tackling different aspects of security.
Reward Contributions: Developers whose models successfully detect fraud are rewarded with tokens. This incentivizes ongoing participation and model refinement.
Ensure Quality: Implement a system where rewards are based on the accuracy of fraud detection—true positives yield rewards, while false positives result in penalties.
Create a Community: Build a community of security-minded developers dedicated to maintaining the integrity of the Solana network.

7. Faring Well Up Till Now



Accuracy: 0.9898425596749619



ROC AUC on test set: 0.9984227728215735
Accuracy on test set: 0.9898425596749619

8. Why Now?
The unprecedented growth of blockchain technology and digital communities demands advanced, real-time solutions for safety and trustworthiness. The advent of sophisticated AI and the scalability of the Solana network provide the perfect foundation to tackle these challenges effectively, something not feasible at this scale or cost-efficiency before. Furthermore, the Solana dataset has just been released on Google cloud on 31 October 2023 . [6]

9. Why Are We the Ones to Do It?
Our team combines deep expertise in AI, blockchain technology, and cybersecurity, with a personal commitment to improving the digital space. Having experienced the challenges firsthand, we're uniquely positioned to understand and address the nuances of fraud and content moderation on blockchain.

Pavan - MSC Big Data Science, Experienced Data Scientist (5.5 Years) , Ex- Accenture, T-systems
Shreya - MSC AI with Specialisation in NLP
Mouneer - MSC AI with working experience in Cybersecurity.

Jhevish - Mouneer - MSC CSI with working experience in Networking.

10. Where Will We Be Next Year If We Win the Hackathon/Raise Funds?
- **Q1**: Finalize AI model training with expanded datasets and begin integration with major Solana platforms.
- **Q2**: Launch a public beta, incorporating user feedback to refine our models and incentive mechanisms.
- **Q3**: Expand our services to additional blockchains, leveraging the success and learnings from our Solana deployment.
- **Q4**: Achieve 100,000 monthly active users and more, with a robust system for content and fraud detection that sets a new standard for security and community engagement in the digital space.