

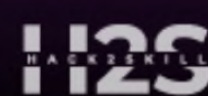
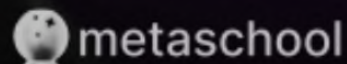
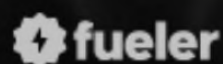
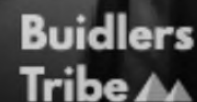


ENCRYPT TALKS

AI and Web 3.0



COMMUNITY PARTNERS



BOUNTY PARTNER



Sundeep Teki, PhD

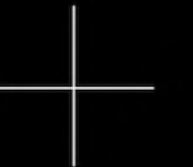
- * **AI Researcher + Consultant + Coach**

- * **Startup Advisor: AI & Data**

- * **Swiggy AI: Chatbot NLU & AI for Call centre automation**

- * **Amazon Alexa AI: Speech Rec & Content moderation**

- * **Oxford & UCL: Neuroscience of Sound & Music**



AI: HACKATHON TOPICS

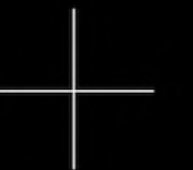
- 1 Transfer of land records/property**

- 2 E-voting**

- 3 Electronic health record management**

- 4 Identity management**

- 5 Smart Energy grid**



AI: HACKATHON TOPICS

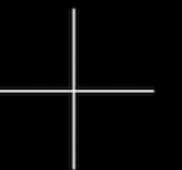
6 Agri/Pharma supply chains

7 Blockchain for social good

8 Micro/MSME financing

9 Payment security mechanism

10 Crypto wallet platform



AGENDA FOR EACH TOPIC

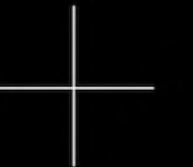
1 Data

2 Use cases

3 Models

4 Startups/Resources

5 Q&A



TRANSFER OF LAND RECORDS

1 Data

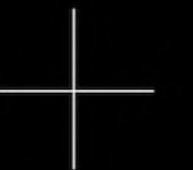
Text (documents, PDFs), Images (scans, land images)

2 Use cases

OCR on PDF scans / images

NLP: NER - names, dates; Translation (regional › Eng)

Authentication: Real vs. Fake docs

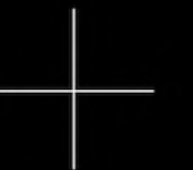


3 Models

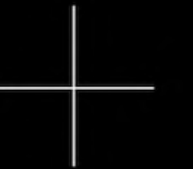
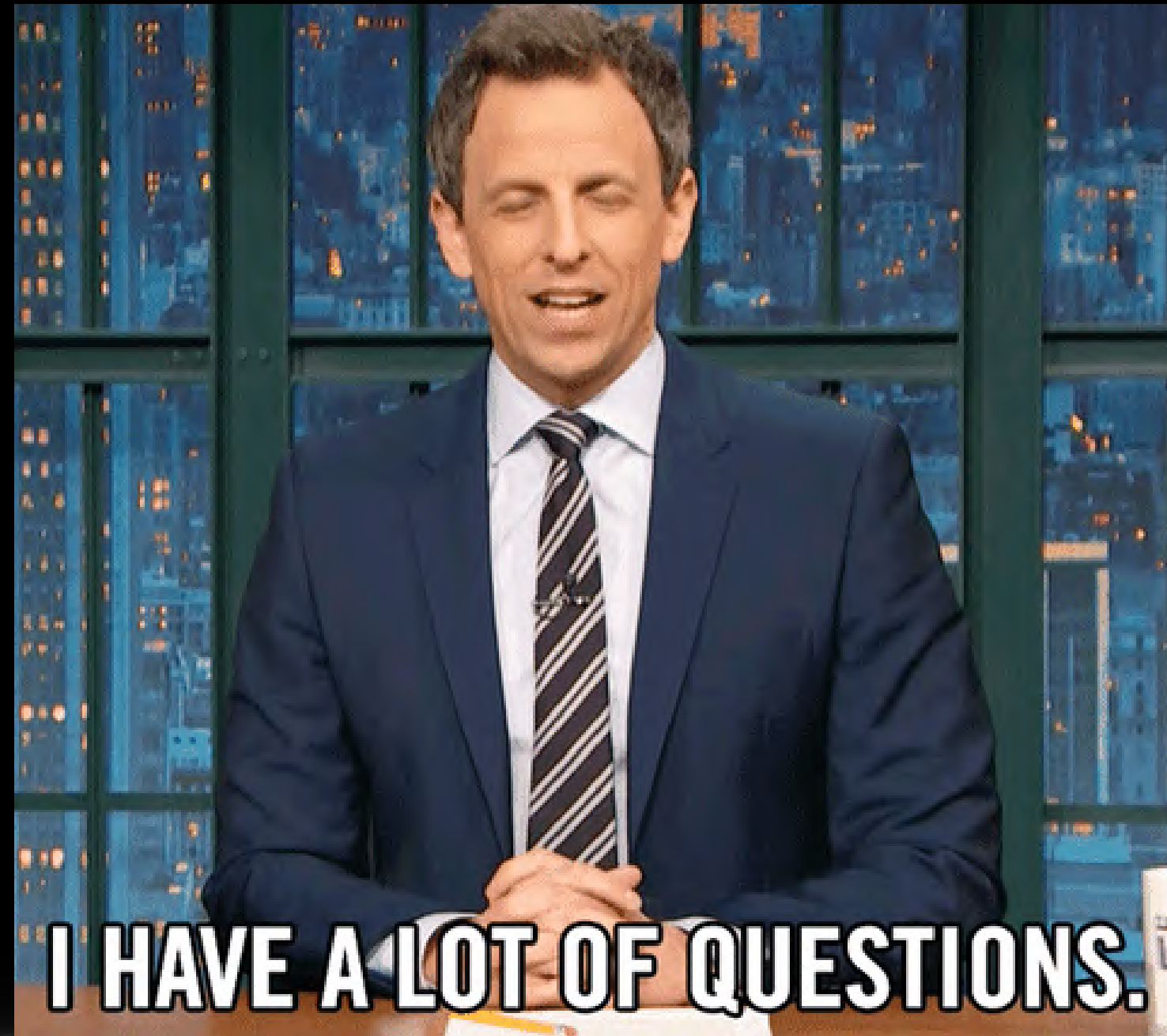
NLP models on HuggingFace, OCR cloud APIs - Google

4 Startups

Landed (YC S22): property ledgers upto 20 yrs back



Q & A



1 Data

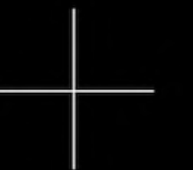
Images (IDs), Text (vote/sign; news), A/V (speech)

2 Use cases

Face recognition (match ID image to voter)

Social media analytics, trends, sentiment using NLP

Fake news detection; Voter fraud detection

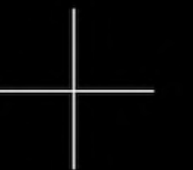


3 Models

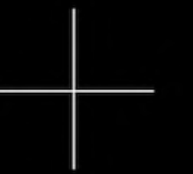
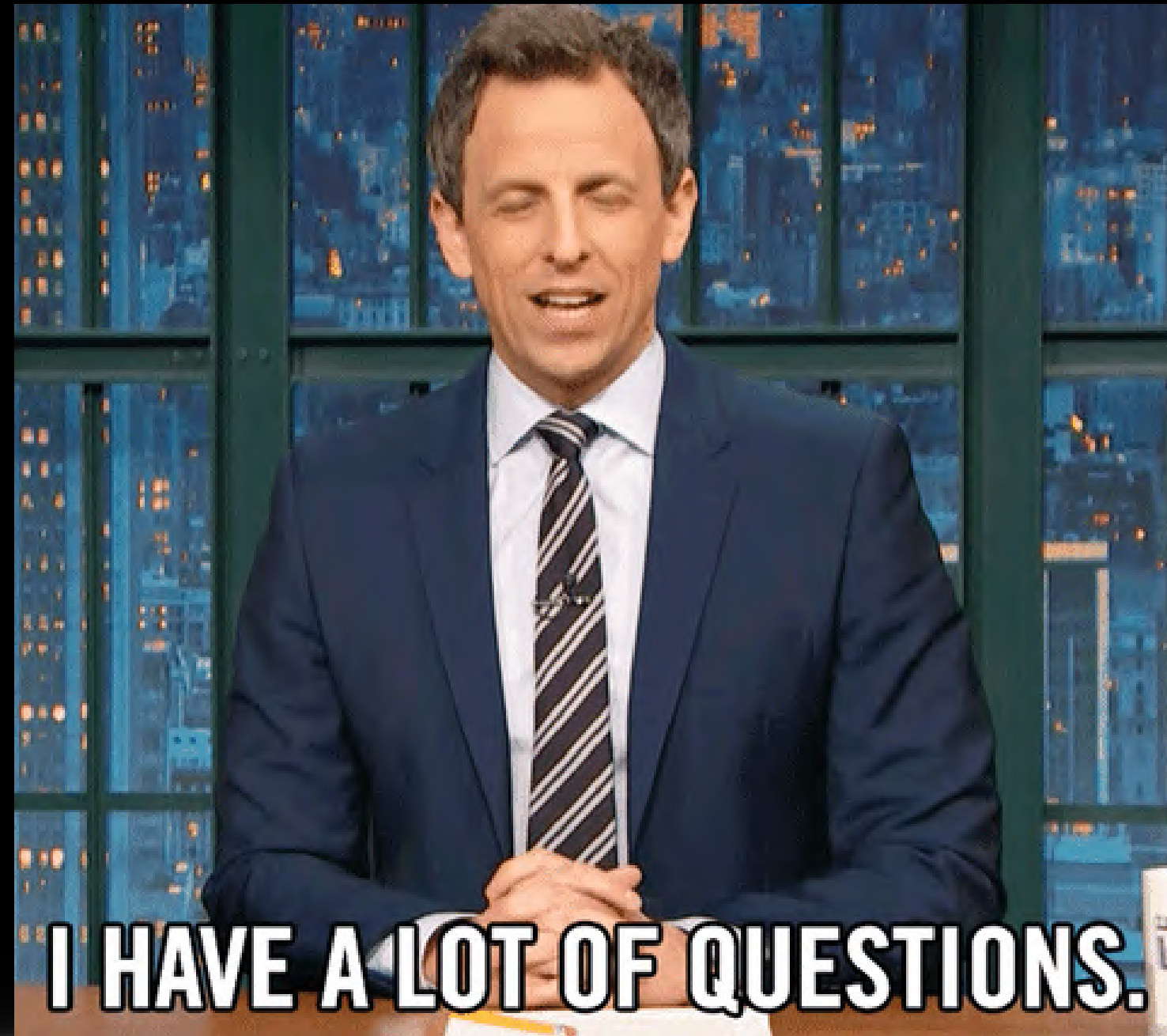
FaceRec, Sentiment, FakeNews based on blockchain

4 Startups

Voatz; Voting Tech



Q & A



1 Data

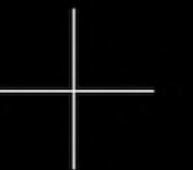
Patient data from physicians, tests, raw clinical data

2 Use cases

Data extraction

Clinical documentation using Voice and NLP

Clinical decision making; Early detection



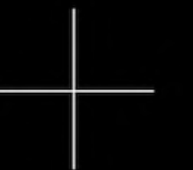
3 Models

Explainable AI, MedBERT

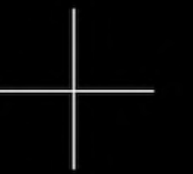
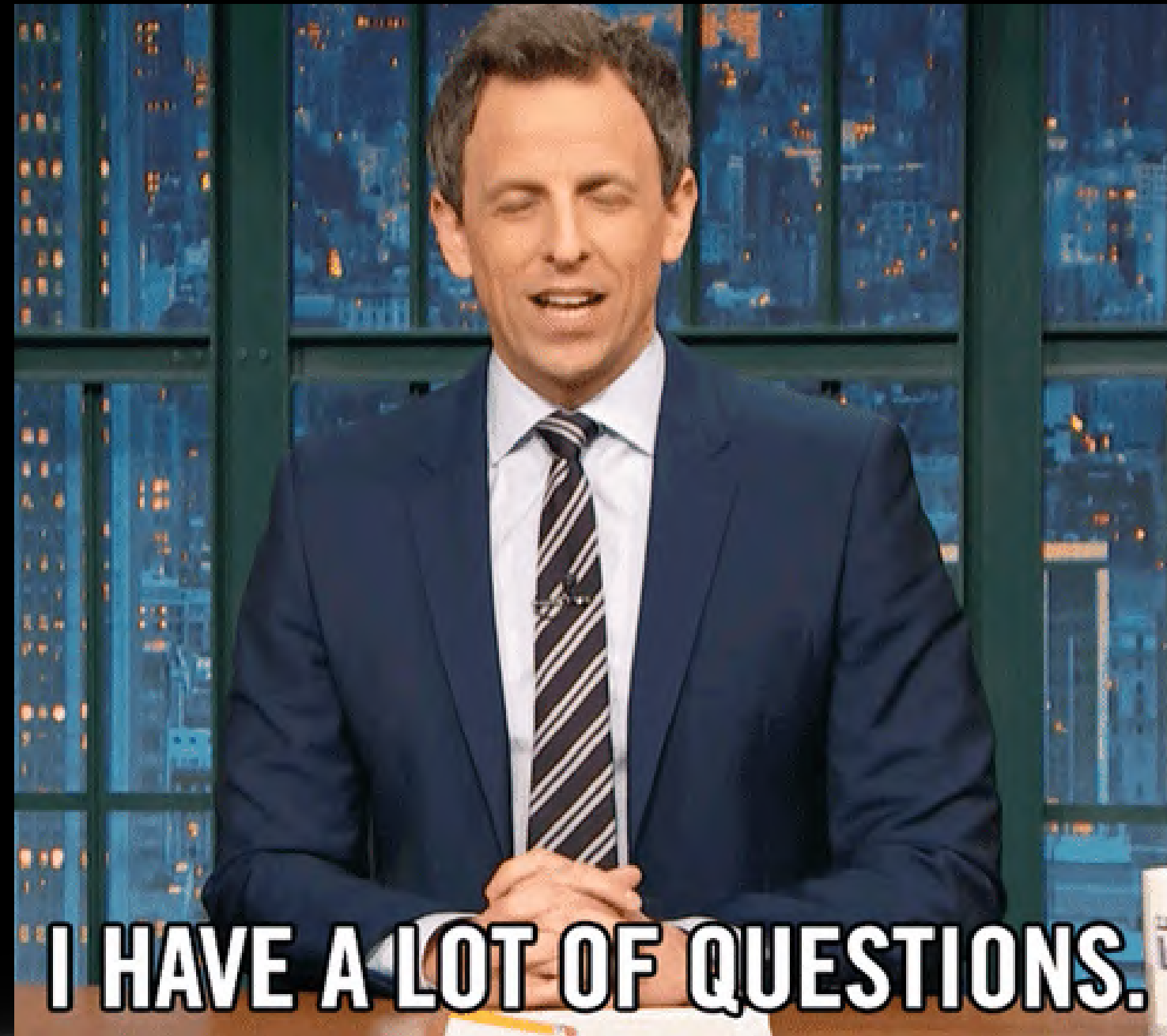
4 Resources

HBR: AI to improve EHR

Johns Hopkins course: AI for Healthcare



Q & A



1 Data

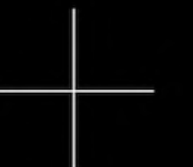
Images (ID cards); Video (KYC); PII (images/text)

2 Use cases

Liveness detection (video KYC)

Identity verification

Document verification



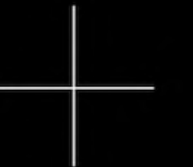
3 Models

Liveness detection; GCP Document AI for ID cards

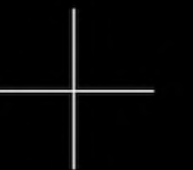
4 Startups

Onfido

Civic - secure identity management



Q & A



1 Data

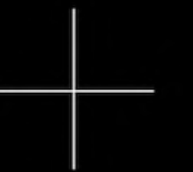
Time-series (usage, wind speed); images (solar farms)

2 Use cases

Forecasting energy demand

Fault detection

Digital assistant to monitor & control power networks



3 Models

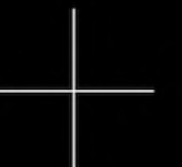
Forecasting, Reinforcement learning

4 Resources

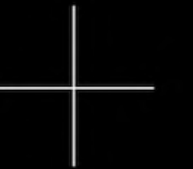
DeepMind reduces data centre cooling cost by 40%

Prescinto AI: for renewable energy sources

NVIDIA; SAP



Q & A



1 Data

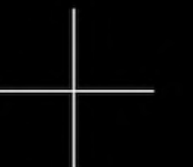
Images (food, satellite), data: climate, soil, sensors

2 Use cases

Eliminate counterfeit drugs from pharma supply chain

Forecasting risks, Storage optimization

Increase productivity of ops, Waste reduction



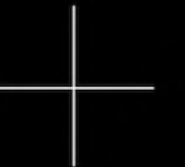
3 Models

Satellite imagery, Monitoring quality, diseases, livestock

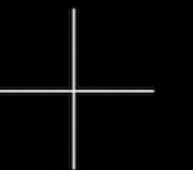
4 Resources

AI in agri-supply chain

Digital twins to manage risks (Covid-19, Ukraine war).



Q & A



1 Data

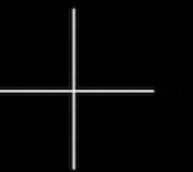
All kinds, depending on the use case

2 Use cases

Tackle misinformation using AI & blockchain

Tracing food ingredients from farm to fork

Akshaya Patra meal program: collecting feedback



3 Models

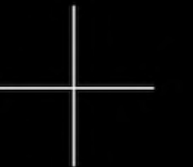
Extensive list of projects and use cases

4 Resources

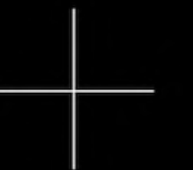
Giveth: Transparent donation to causes

Accenture report on blockchain for social good

Protect IP, Improve data security.



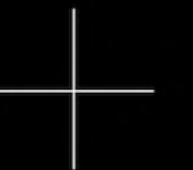
Q & A



CONTACT



👉 [linkedin.com/in/sundeepteki](https://www.linkedin.com/in/sundeepteki)



SO LONG!

