TENET Hack 25

Project Name: Redefining Trust in Academic Verification.

Team Name: SIMPLE DEVELOPERS

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REDEFINING TRUST IN ACADEMIC VERIFICATION

PROBLEM STATEMENT

The surge of fake academic certificates threatens trust in education, employment, and governance. Manual verification is inefficient, inconsistent, and vulnerable to fraud. A secure, scalable digital platform is needed to authenticate credentials against verified records, detect forgery, protect privacy, and support both legacy documents and digital certificates.

IDEA

- *Secure storage of certificates using blockchain and IPFS.*
- *AI-based validation to detect fake or forged certificates.*
- *Easy verification process for students, institutes, and companies.*
- *Trusted system ensuring transparency, authenticity, and tamper-proof records.*

Innovative Methodology

Blockchain secures certificates, preventing tampering or fraud.

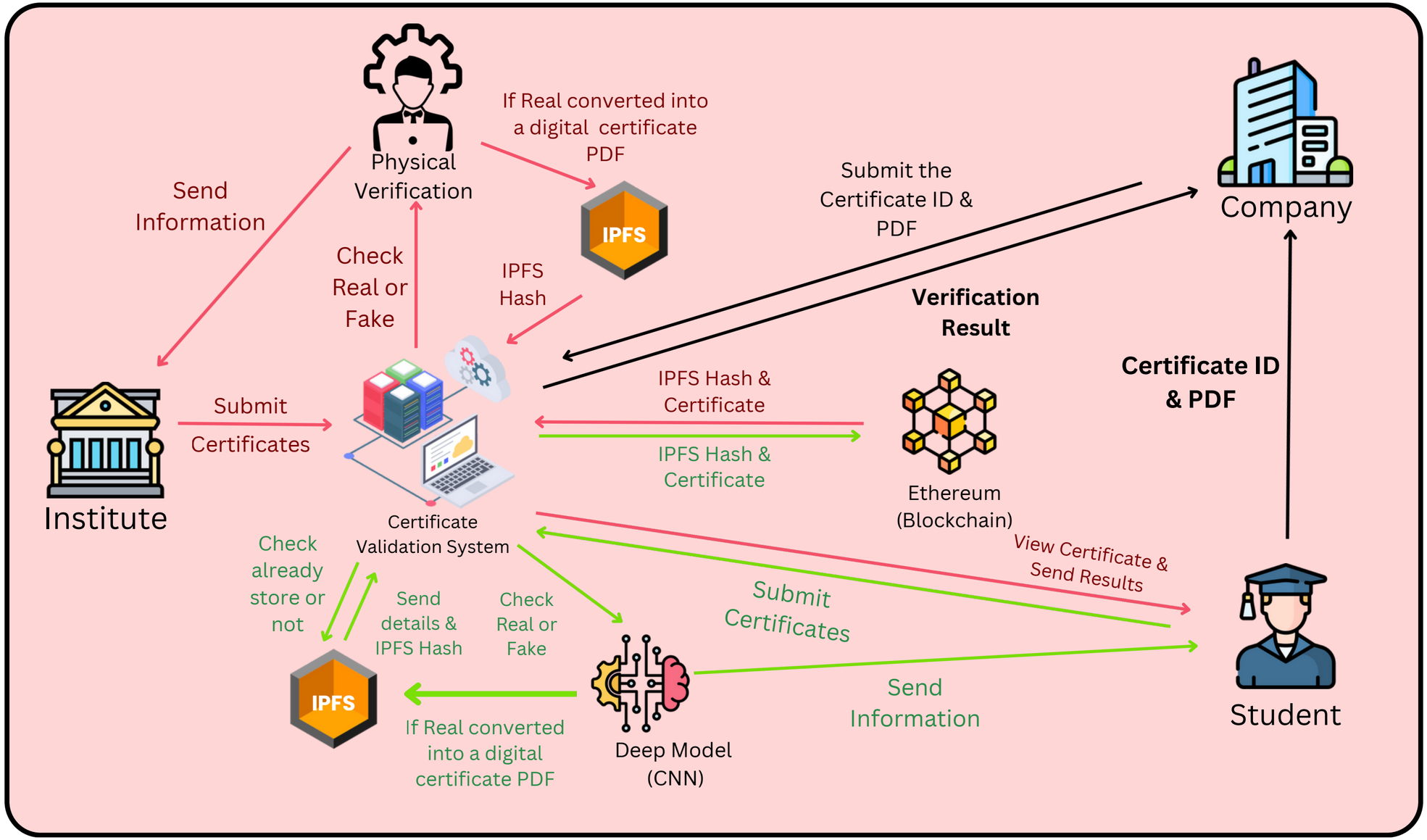
AI model efficiently verifies certificate authenticity.

IPFS ensures permanent, reliable digital storage.

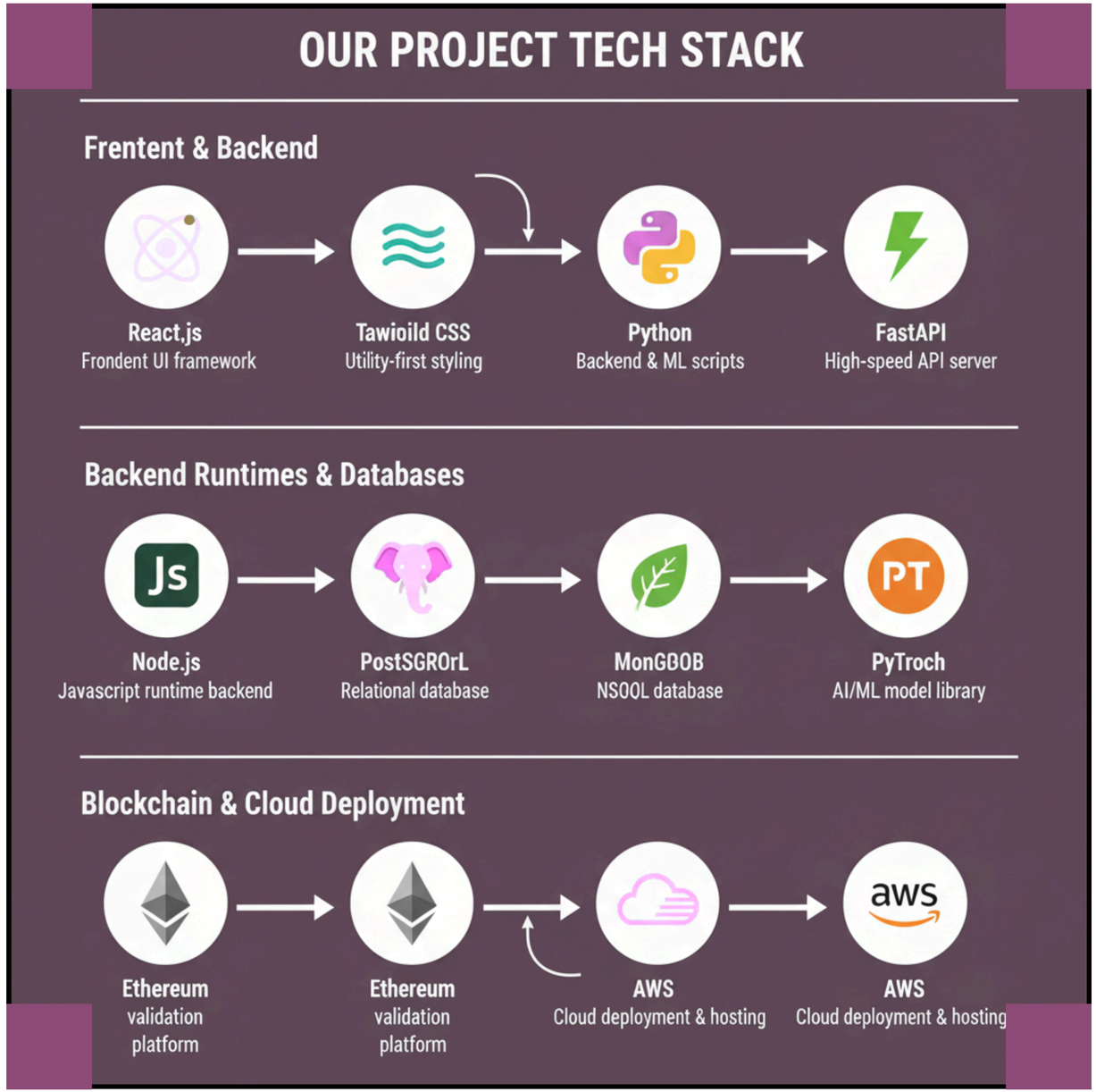
Automated system enables easy institutional verification.

Fast, transparent access improves trust and efficiency.

SYSTEM ARCHITECTURE



TECH STACK AND FEASIBILITY



Feasibility Analysis

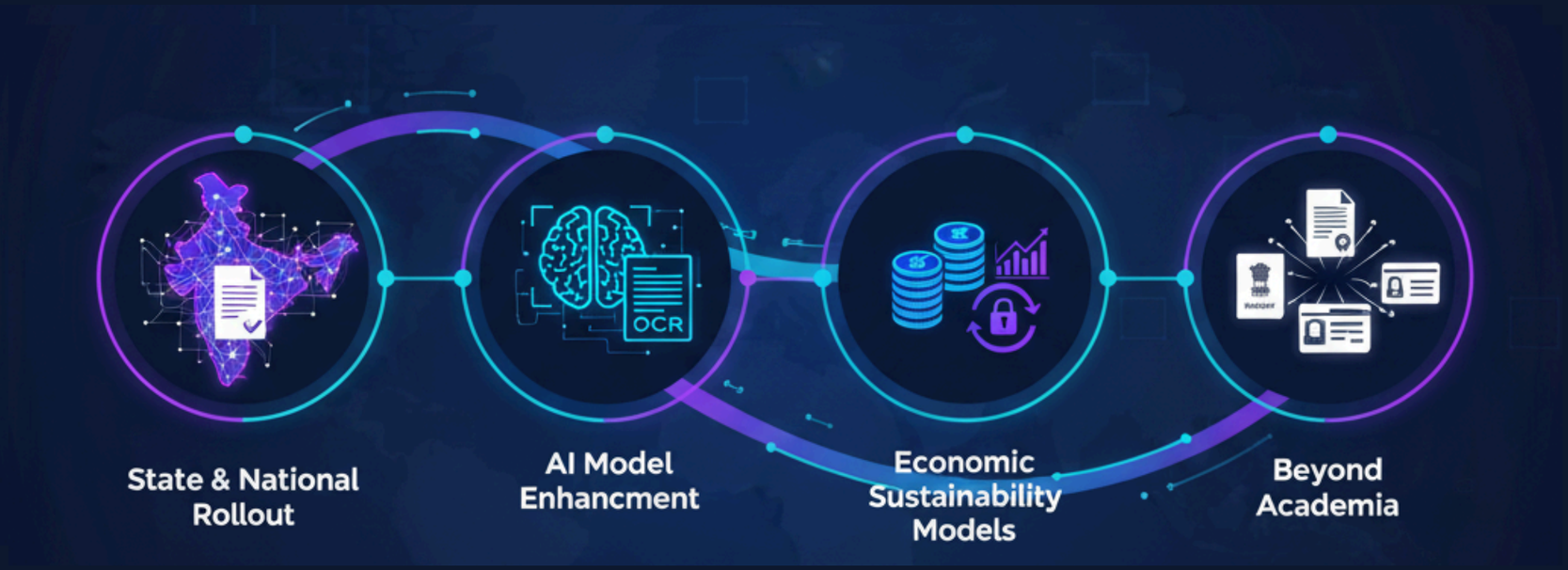
TECHNICAL –
Existing AI, OCR, and blockchain frameworks enable rapid prototyping.

OPERATIONAL –
Easy integration with institutional workflows; pilot-ready.

FINANCIAL –
Permissioned blockchain and local infrastructure minimize costs; scalable rollout.

LEGAL / COMPLIANCE –
Complies with data privacy regulations; leverages government-approved platforms.

FUTURE SCOPE



Expand from institute-level deployment to state-wide and national credential verification.

Use advanced document AI & computer vision for more accurate forgery detection.

Make Economic Sustainable models using subsriptions, pay per verification

Going beyond Academia by integrating other Government documents