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Profile Overview

- **Theme** - EdTech
- **Problem Statement Title**- : E5 - Skill Validation Beyond Certificates
- **Team ID** - (As per Unstop registration)
- **Team Name** - Antimatter's



IDEA TITLE

- ◆ **Solution Overview** : A blockchain-based platform where learners build real-world projects, evaluated by peers and AI, to earn dynamic Credibility Scores — replacing traditional certificates.
- ◆ **Problem-Solving** : Enables hands-on skill proof via project submissions, ensures fairness through peer + AI reviews, and stores scores securely on blockchain.
- ◆ **Innovation** : Integrates Blockchain, AI, Peer Review, and IPFS to create tamper-proof, verifiable skill entries — moving beyond static certifications.



Technical Approach

Technologies Used: - Frontend: ReactJS , Backend: Node.js, Express , Blockchain: Ethereum (Solidity) , Storage: IPFS , AI Evaluation: Python

Methodology: Learner submits project 2. AI and Peer Evaluation conducted , 3. Credibility Score is generated , 4. Results are stored on blockchain and IPFS , 5. Public skill profile is updated.

Process Flow: Skill Task → Project Submission → AI/Peer Evaluation → Score Generation → Blockchain Storage → Public Portfolio.



- Feasibility:
 - prototype tested with Ethereum testnet and IPFS
 - Modular components ensure easy scalability.
 - Designed for integration with learning platforms.
- Challenges & Risks:
 - Managing peer review authenticity.
 - Blockchain Transaction cost.
 - Ai scoring Transparency.
- Mitigation Strategies: peer review weighted by reviewer credibility.



Target Audience:

- Students, Freshers, EdTech Platforms, Employers.

Key Benefits:

- Real-world skill validation beyond certificates
- Transparent and trusted system for recruiters & build a verified skill portfolio.

Long-Term Value:

- Scalable to global talent platforms
- Can plug into existing LMS platforms.



References & Research :-

- Research papers on peer-based skill validation (edX, Coursera)
- Ethereum Blockchain Documentation (<https://ethereum.org>)
- Decentralized Storage using IPFS (<https://ipfs.tech>)
- Whitepapers on AI-assisted assessments
- Internal architecture design and innovation models