

- ◆ Title (Slide 1)

SkillChain – AI-Powered Skill Verification & Sharing
Turning skills into trust, trust into growth.

Team Name: SQUAD

Dept & Year: (Fill your team info)

- ◆ Abstract (Idea Brief – Slide 2)

SkillChain is an AI-driven platform that validates skills using certificate analysis, demo evaluation, and peer reviews. It creates a trusted environment for learners, mentors, and recruiters by combining automation with community verification.

- ◆ What We're Trying to Solve (Problem Statement – Slide 3)

Fake skills and unverifiable certificates.

Lack of trust in self-claimed expertise.

Recruiters and learners struggle to identify genuine talent.

- ◆ Existing Systems (Slide 3 – continue)

LinkedIn – Endorsements without validation.

Coursera/Udemy – Certificates, no real proof of skill.

Freelancer/Upwork – Reviews limited to projects.

- ◆ Features of Existing Systems (Slide 3 – continue)

Provide visibility & recognition.

Issue certificates for learning.

Allow peer endorsements.

⚠ Weak authenticity & reliability.

- ◆ How We'll Make It a Product (Unique Solutions – Slide 4)

AI validation of certificates & demo content.

Peer verification by trusted mentors.

Gamified trust badges for credibility.

AI skill-matching to connect learners & mentors.

System Architecture (Slide 4)

Flow:

User → Upload proof → AI validation (OCR/NLP/ML) → Peer verification → Badge issued → Displayed on profile/marketplace.

- ◆ Modules (Slide 4 – continue)

1. User Module – Profiles & portfolios.

2. Verification Module – AI + peer workflow.

3. Mentor Module – Matching & endorsements.

4. Gamification Module – Scores & badges.

5. Communication Module – Chat & sessions.

6. Admin Module – Moderation & analytics.

- ◆ Tech Stacks (Slide 5)

Frontend: React / Flutter

Backend: Node.js / FastAPI

Database: PostgreSQL / Firestore

AI Tools: OpenAI GPT-4, Whisper, Google Vision OCR

Search/Match: Pinecone (vector DB)

Communication: Daily.co / Agora SDK

Hosting: Vercel + Firebase / AWS

- ◆ Impact (Slide 5 – continue)

Builds trust in online skills.

Reduces scams & fake claims.

Creates a verified professional ecosystem.

Benefits learners, mentors, and recruiters.

- ◆ Future Enhancements (Slide 6)

Blockchain-based certificate storage.

AI-powered personalized learning paths.

AR/VR skill demonstration.

Integration with recruitment platforms.

- ◆ Conclusion (Slide 6 – continue)

SkillChain bridges the gap between claimed skills and proven expertise, building a reliable and future-ready platform for authentic digital skills.

Problem Statement:

“There is no unified and trustworthy system that validates, showcases, and connects real skills to opportunities—SkillChain bridges this gap for learners, mentors, and recruiters.”