



Presents

SOLVIO

AI HACKATHON

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Submission Guideline



Instructions for Participants

- Please make a **copy** of this document and rename it as:
"TeamName_InstituteName_IdeaName"
- Fill out all sections clearly and concisely.
- Use narrative, bullet points, visuals, or diagrams if needed.
- Submit the **Google Docs shareable link** with "Viewer" access.

Team Details:

Team name: Team Kamikaze

Team member's Name, University, Department, Latest Certificate:

1. **Anit Paul**

 BRAC University – Department of Computer Science

 GitHub: <https://github.com/AnitPaul112>

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 Portfolio: <https://anitpaul.netlify.app/>

Anit specializes in scalable software design, artificial intelligence, AI-driven applications, and cross-platform systems. Recently earning his **AI Engineer for Data Scientists Associate** certificate from DataCamp, he brings advanced expertise in integrating AI and data science into practical, impactful solutions.

2. **Srijon Basak**

 BRAC University – Department of Computer Science and Engineering

 GitHub: <https://github.com/srijonbasak>

 LinkedIn: <https://www.linkedin.com/in/srijon-basak-58b894234/>

Srijon is skilled in security, ethical hacking and embedded hardware integration. His background in ethical hacking strengthens the team's approach to building secure and optimized technology solutions. He earned several certificates from Udemy for ethical hacking, security etc.

3. **Jerin Jaman Kangkhita**

 American International University, Bangladesh (AIUB) – Department of Computer Science and Engineering

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 LinkedIn: <https://www.linkedin.com/in/jerin-anan-a9342638b/>

Jerin focuses on crafting clean, accessible, and user-friendly digital interfaces that prioritize usability and seamless user experience. She has also earned the Cisco IT Essentials certification, demonstrating strong technical skills in computer systems, networking, and security.

4. Animesh Bhattacharjee

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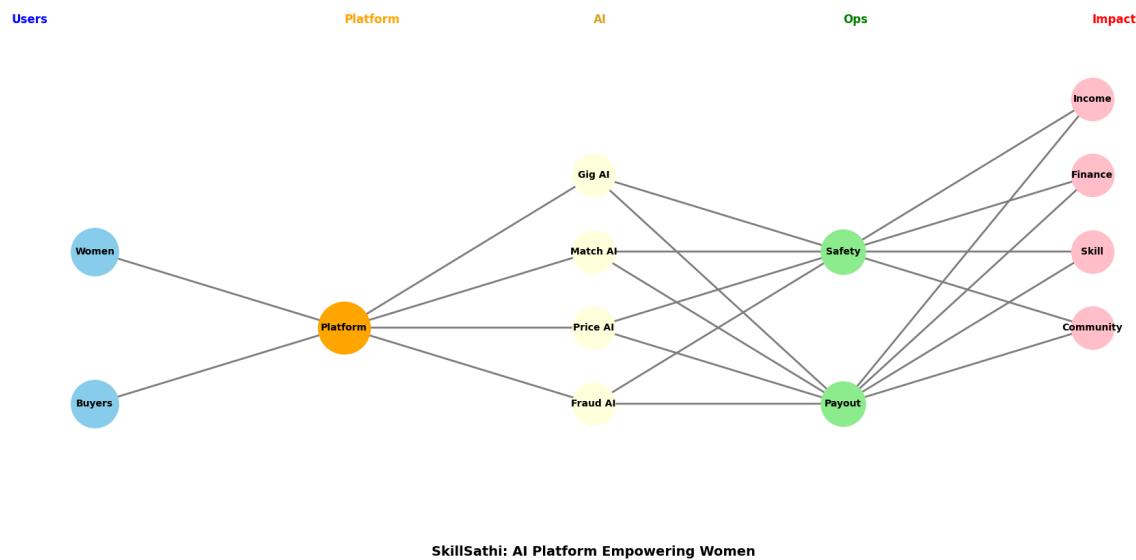
Animesh contributes in database management, analytics, and server-side logic, ensuring platform reliability and performance.

Team Summary

We are a team of four passionate Computer Science students from BRAC University and AIUB, combining expertise in software architecture, AI, front-end design, and data systems. Together, we aim to build impactful, inclusive, and technologically sound solutions that bridge innovation with social purpose.

Core Idea

SkillSathi is a platform that connects Bangladeshi women with flexible, project-based work based on their skills, such as cooking, crafting, tutoring, tailoring, and creative services.



Problem being solved:

Many women, especially caregivers, cannot take full-time jobs due to household responsibilities but have valuable skills that can earn them income. They lack a safe, trusted, and convenient way to find work, showcase their skills, and get paid reliably.

Why it matters:

Empowering women with flexible income opportunities improves financial independence, supports families, and taps into a largely underutilized talent pool in Bangladesh.

Proposed solution:

SkillSathi provides a safe, women-first gig platform where women can post their skills, get AI-assisted gig descriptions, find local buyers, and receive

instant payments. Buyers can post requests in Bangla or English, and AI matches them with nearby verified providers.

What makes it unique/innovative:

- **Women-safe defaults:** masked contact info, women-only toggle, optional chaperone for deliveries.
- **AI-powered support:** helps write clear gig listings and matches buyers with providers efficiently.
- **Flexible, part-time-first model:** designed specifically for caregivers and home-based earners.
- **Transparent, fair payments:** instant payouts, clear fees, price guidance, and dispute resolution.

We aim to create SkillSathi, an AI-assisted platform that helps Bangladeshi women find flexible, skill-based gigs safely and get paid instantly, empowering caregivers and home-based entrepreneurs.

Feasibility & Growth Potential

Practicality & Achievability:

SkillSathi is designed to be lightweight and technically feasible. The platform can start with a simple web/mobile interface, a secure payment integration (bKash/Nagad/SSLCommerz), and basic AI for gig description and matching. By focusing first on a single city (e.g., Dhaka), manual verification and onboarding of providers can ensure safety and trust while the system scales.

Existing Solutions & Differentiation:

While general gig platforms exist in Bangladesh, they are not women-first and lack caregiver-friendly features. SkillSathi is unique in offering:

- **Women-safe defaults:** masked contact info, women-only jobs, optional chaperone for deliveries.
- **AI-assisted listings:** auto-generate gig titles, descriptions, tags, and pricing guidance.
- **Instant payouts** and transparent pricing rules.

Market Size & Demand:

- Bangladesh has millions of women with home-based skills who cannot commit to full-time jobs.
- Demand exists from households, small businesses, schools, and event organizers for services like catering, tutoring, crafts, and decorations.
- A conservative estimate: Year 1 – 40k–60k women providers, 20k–30k buyers, 250k–400k completed gigs.

Scalability Factors:

- Start city-by-city and expand to other divisional cities once the model is validated.
- Add remote digital gigs (tutoring, design, social media tasks) to expand beyond local reach.
- Partner with women's NGOs, MFIs, and local delivery fleets for safer operations and faster onboarding.

Sustainability & Growth:

- Revenue model: flat 1% service fee (first 3 gigs 0% to encourage adoption), optional premium listing boosts, and B2B bulk sourcing.
- SkillSathi can evolve into a full ecosystem offering micro-courses, mentorship, badges, and portfolio showcases.
- Over 3 years, potential to reach 400k–600k providers nationwide, creating a strong seasonal and year-round income flow.

SkillSathi is not only practical to implement but also designed to grow sustainably, filling a unique gap in the market for safe, flexible, skill-based work for women.

Technology Stack & AI Tools

Frontend:

- **React or Next.js** for responsive web interface
- **Tailwind CSS** for fast, flexible styling
- **Bangla-first UI** with RTL-aware components where needed
- Mobile-friendly and lightweight for low-bandwidth users

Backend & APIs:

- **Node.js (Express)** or **Python (FastAPI/Flask)** for server-side logic
- REST APIs for core functionality; GraphQL optional later
- **PostgreSQL** as primary database, **Redis** for caching & job queues
- **S3-compatible storage** for images and documents

AI / ML Tools & Features:

- **Gig Auto-Draft AI:** Transform short text/voice inputs into clean gig titles, descriptions, tags, and price guidance.
- **Query Understanding & Matching:** Map buyer requests to nearby providers based on category, location, and availability using multilingual embeddings.

- **Image Analysis & Verification:** Detect and auto-tag product photos; optional quality scoring for gig images.
- **Smart Pricing Suggestions:** Analyze past gigs, demand, and location to recommend fair price ranges.
- **Voice-to-Text & Multilingual NLP:** Accept requests in Bangla and English, including voice input, for low-literacy users.
- **Micro-Analytics for Providers:** AI suggests skill improvements, portfolio optimization, and repeat-buyer strategies.
- **Fraud & Abuse Detection:** Monitor review patterns, gig duplication, and suspicious buyer/provider behavior using lightweight ML models.
- **Optional Recommendation Engine:** Suggest gigs to buyers based on past searches, location, and seasonal demand.

Payments & Integrations:

- **SSLCommerz, bKash, Nagad** for secure, instant payouts
- Escrow-like payment flow with clear refund and dispute handling
- Optional SMS or IVR notifications for low-literacy users

Safety & Trust Features:

- Phone/ID verification (NID-aware KYC via partners)

- Masked phone numbers, in-app chat, optional chaperone/delivery verification
- Panic button and incident reporting

Operations & Infrastructure:

- Cloud-based VMs or containers (AWS Lightsail/EC2, or GCP Compute)
- **Nginx** for web server routing
- **CI/CD** via GitHub Actions
- Observability: basic logging and uptime monitoring

Hardware Requirements:

- Minimal; platform can run on standard cloud VMs with scalable storage
- Users only need smartphones or basic PCs with internet

Projected Impact

Target Users / Beneficiaries:

- Primary: Bangladeshi women, especially caregivers and home-based earners, who have marketable skills but cannot commit to full-time jobs.
- Secondary: Buyers including households, SMEs, schools, and event organizers seeking reliable local services.

Potential Reach:

- **Year 1:** ~60,000 active women providers; ~30,000 buyers; 300,000–500,000 completed gigs.
- **Year 3:** 500,000+ women providers nationwide, with strong seasonal and festival-driven demand.

Social & Economic Impact:

- **Income generation:** Median monthly earnings for part-time providers: 8,000–15,000 BDT, higher during festivals.
- **Financial inclusion:** Empower caregivers and first-time entrepreneurs with reliable income.
- **Skill development:** Micro-courses and mentorship pathways improve service quality and career growth.
- **Safety & trust:** Women-first platform with privacy controls, masked contact info, and harassment-free environment.

Industrial & Market Impact:

- Standardizes home-to-home service quality and instant payouts.
- Creates verifiable supply for SMEs, schools, and boutiques.
- Encourages growth of micro-enterprises and local creative industries.

Environmental & Community Impact:

- Reduces unnecessary travel by matching local providers with nearby buyers.
- Promotes community networks and local collaborations through ambassadors and peer mentorship.

Success Metrics / Measurement:

- **Safety & trust:** % verified providers, disputes per 1,000 gigs, incident resolution time.
- **Economic:** Active providers/month, median payout time, number of completed gigs.
- **Quality:** Repeat-buyer rate, 5-star review share, cancellation rate.
- **Inclusion:** % women-only jobs, % caregivers earning monthly, micro-course completion rates.



Presents

SOLVIO

AI HACKATHON
2025

THE HACKERMAN DAY:

16TH- 18TH NOV, 2025

GRAND SHOWDOWN VENUE:
SHEBA HQ, JASHORE IT PARK

REGISTRATION DEADLINE:
28TH OCT, 2025



TO REGISTER SCAN QR

Prize Pool
5,00,000 BDT

Cash Price	Direct Recruitment
Trophies	Free Courses
Certificates	Media Feature

