SkillSync – Micro-Skill Swapping Network

SkillSync is a **micro-skill exchange platform** built for peer-to-peer learning. Users can **offer** and **request** small, focused skills (like learning Excel, Java, or Photoshop), rate each other, and build their reputation with a **Skill Karma** score.

Layer	Technology Used
Frontend	HTML, CSS, JavaScript
Backend	Node.js, Express.js
Database	MongoDB
Auth	Custom middleware

User Features

1.User Profile

- Register with name, email, phone number, password.
- Add skills you can teach and skills you want to learn.
- View other users' skills and profiles.

2. Skill Discovery & Filtering

- Filter users by skill (e.g., show only Java experts).
- Real-time skill search from frontend to MongoDB.

3. Request a Skill

- Request to learn a skill from another user.
- Teachers can accept/reject the request.
- Optional: Teachers **don't have to request back** in return.

4. Rating & Karma System

- Learners can **rate** the teaching session.
- Teachers earn **Skill Karma** (trust score) and average ratings.
- System promotes **top contributors**.

5. Premium Subscriptions

- Some high-demand skills (like **Data Science**, **AI**, etc.) are **premium locked**.

- Subscribed users can:

  - Access exclusive mentors

  - Get priority matching

⚙️ Installation

1. Clone the repo

git clone https://github.com/yourusername/SkillSync.git

cd SkillSync

2. Install dependencies

npm install

3. Set up .env

Create a .env file with the following variables:

PORT=3000

MONGO_URI=your_mongodb_connection_string

4. Seed initial skills (optional)

node models/seedSkills.js

node models/seedData.js

5. Run the app

node server.js

Visit http://localhost:3000 in your browser.