

build2learn. Ideas

Twitter post scheduler

Twitter contest - people will post content with #myevent hashtag

The system will pick a random winner from the tweets. Could do this for multiple social media.

1. Offline-First Expense Splitter

Problem solved: Settling group bills in places with flaky Internet (hostels, road trips).

Core functions

- Works completely in-browser using IndexedDB; syncs when online.
- Scan receipts via OCR → auto-detect totals and line items.
- One-tap “settle up” links via UPI/PayTM.

Why it clicks: Live demo works even if event Wi-Fi dies.

2. Tweet-Length Mental-Health Journal

Anonymously capture a daily 280-character mood; charts streaks, suggests helplines on streak downturns. Uses Supabase + Chart.js; no auth beyond magic-link e-mail.

3. Neighbourhood Water-Level SMS Alert

Small ESP32 + ultrasonic sensor by a storm drain; Twilio texts residents when rising > x cm. Teams can build hardware + simple Flask webhook.

4. Resume-to-Skill-Gap Analyzer

Upload PDF → serverless function parses text, compares to job JD, outputs “skills to learn next week.” Uses OpenAI embeddings + simple HTML report.

5. Instant Classroom Poll via QR Code

The teacher clicks “New poll,” projector shows QR; students scan and vote; results are animated in real time with Socket.io.

6. Zero-Config Live Subtitles for Meetings

Web page captures mic, streams to Whisper API, returns captions overlay. Chrome tab share = inclusive demo.

7. Battery-Saver Dark-Mode Switcher

Browser extension forces dark CSS on any page if laptop battery < 40%. Minimal Manifest V3 + CSS filter.

8. Blood Bank Stock Map

Scrapes public bank sites every hour, geoplots available B+ve units. Good social impact, pure JS + Leaflet map.

9. “Menuless” Restaurant Order

Scan NFC sticker → web app shows dish photos, places order to Google Sheet; waiter prints sheet every 10 min. No POS integration needed.

10. AR-Based Furniture Fit-Checker

Uses WebXR + three preset 3D models (sofa, table, shelf); user walks room, sees scale overlay. One good wow shot.

11-20: Quick Wins for Fun & Demo

#	Idea	One-Liner Core
11	Meme-a-Day Generator	Upload selfie → app captions with trending templates via Imgflip API

12	Voice-Controlled Pomodoro	Say "start focus" to begin 25-min timer; ML5.js speech-to-text
13	Local Language CAPTCHA Buster	Recreates CAPTCHA words in Tamil/Hindi for accessibility
14	GitHub PR Roulette	Spins wheel of open issues in org; landing repo gets live help
15	Tweet-to-Poster SVG	Turns any tweet into printable SVG poster in 5 sec
16	React Error Buddy	Paste stack-trace → GPT suggests fix & docs links
17	BPM-Sync Music Lightstrip	Web Bluetooth controls RGB LED to song tempo (AudioContext)
18	Chess-Move-GIF Maker	Enter moves, outputs animated GIF; purely client-side
19	Emoji URL Shortener	Maps URLs to 🍌🔗 style slugs; shows QR for share
20	"How It Started vs How It's Going" Collage	Upload two pics → generates viral template automatically

21-30: Real-World Utility & Social Good

#	Idea	Key Tech Pieces	Secret Sauce
21	Carbon-Footprint SMS Bot	Twilio texting + Airtable factors	Works on feature phones
22	Lost-Pet Heatmap	Crowd-submit sightings; Firebase realtime updates	Mobile-only PWA
23	Offline Disaster Info Hub	Service-worker caches handbook PDFs	Demo airplane-mode!
24	Smart Cane Add-On	Ultrasonic → buzzer via Arduino Nano	3-hr solder job
25	Rural Doctor Scheduler	Simple React + Google Calendar API	SMS fallback invites
26	Plant-Watering Slackbot	Reads soil sensor via ESP8266 → posts reminder	Funny GIF responses
27	E-Waste Pick-Up Matcher	Form pairs households with NGOs	No login, uses pin-code
28	Local-Language Wikipedia Audio	Scrapes article → gTTS mp3	Great inclusivity angle

29	Food-Expiry Barcode Scanner	On-device ML Kit; pushes discards to food-share feed	Reduces waste
30	"Pay-It-Forward" QR Voucher	Generates one-time QR meal tokens for street vendors	Built-in ledger

31. One click class attendance

Click one photo and get the whole attendance mark it and push it

31. AI-Powered Local Traffic Predictor

Problem solved: Congested roads in busy cities like Chennai, helping commuters avoid delays.

Core functions

- Pulls real-time data from public APIs like Google Maps to forecast traffic in the next hour.
- User inputs destination; app suggests optimal routes or departure times.
- Simple web interface with color-coded maps.

Why it clicks: Quick demo shows live predictions for local spots, addressing urban mobility pain points

32. Virtual Language Exchange Buddy

What it does: Connects users for quick language practice sessions via chat.

Core functions

- Matches users based on languages they know/want to learn using a basic algorithm.
- Includes text-to-speech for pronunciation help and simple phrase suggestions.
- Browser-based with WebRTC for voice calls.

Why it clicks: Fun, interactive demo fosters cultural exchange, great for diverse teams

33. Eco-Friendly Habit Tracker

Problem solved: Encouraging sustainable daily habits to reduce personal carbon footprints.

Core functions

- Tracks actions like recycling or walking instead of driving via user logs.
- Calculates weekly "eco-score" and suggests improvements with tips.
- Integrates with phone sensors for step counting.

Why it clicks: Visual progress charts make it engaging, tying into global climate goals

34. Quick Recipe Improviser

What it does: Suggests meals based on whatever ingredients you have on hand.

Core functions

- User scans or types fridge items; app matches to simple recipes from a free API.
- Offers substitutions and nutritional breakdowns.
- Mobile-friendly with image upload for ingredient recognition.

Why it clicks: Reduces food waste in households, with a relatable demo using common items

35. Community Event Scheduler

Problem solved: Organizing local meetups or volunteer events without complex tools.

Core functions

- Users create events with RSVPs via Google Forms integration.
- Sends SMS reminders using Twilio; shows attendee maps.
- Basic calendar view in a web app.

Why it clicks: Builds community ties, easy to demo with a fake event signup

36. Mood-Based Playlist Curator

What it does: Generates music playlists from user-described moods or emotions.

Core functions

- Analyzes text input with sentiment APIs to pull songs from Spotify.
- Allows shuffling and sharing via links.
- Simple interface with emoji selectors for moods.

Why it clicks: Fun mental health boost, quick to prototype and demo with popular tracks

37. Smart Water Usage Monitor

Problem solved: Water scarcity in regions like India, tracking household consumption.

Core functions

- Uses basic sensors or manual input to log usage; alerts for high days.
- Visualizes data in charts and suggests conservation tips.
- Web dashboard with email notifications.

Why it clicks: Timely for environmental issues, demo-able with simulated data

38. AR City Landmark Explorer

What it does: Overlays info on landmarks via phone camera for virtual tours.

Core functions

- Uses AR.js for browser-based augmented reality; pulls Wikipedia data.
- Points camera at a spot to show history or facts.
- Offline mode with pre-loaded local landmarks.

Why it clicks: Educational and immersive, great for tourism demos in places like Chennai

39. Budget Meal Planner

Problem solved: Affordable eating on a tight budget for students or families.

Core functions

- Inputs budget and preferences; suggests weekly meal plans from affordable recipes.
- Integrates shopping list generator with cost estimates.
- Simple app using local storage for plans.

Why it clicks: Practical for everyday life, easy to demo with sample budgets

40. Voice-Activated Note Taker

What it does: Converts spoken notes into organized text lists.

Core functions

- Uses Web Speech API for transcription; categorizes notes by keywords.
- Saves to cloud or exports as PDFs.
- Basic voice commands for editing.

Why it clicks: Boosts productivity hands-free, fun to demo in a live voice session

41. WhatsApp Psychometric Career Advisor

Problem solved: Underprivileged students in programs like Siragugal lack access to self-assessment tools for personality and career guidance, leading to unclear paths in education and jobs.

Core functions

- Chatbot asks 30-60 Likert-scale questions in Tamil or English via WhatsApp (or SMS fallback), using simple number responses (1-5).
- Scores responses on traits like Emotional Stability, Extroversion, and Creativity to generate a personalized report with career suggestions and action plans.
- Delivers report as text or PDF, linked to student's ID or phone number for easy mentor access.

Why it clicks: Empowers students in Chennai with quick, multilingual insights, demo-able in real-time via a simulated chat for social impact and engagement.

[https://github.com/navaneeth20/CSR/blob/main/GHF/Siragugal%20Psychometric%20Agent%20Requirements%20\(1\).pdf](https://github.com/navaneeth20/CSR/blob/main/GHF/Siragugal%20Psychometric%20Agent%20Requirements%20(1).pdf)

42. SMS/WhatsApp Scholarship Application Bot

Problem solved: Underprivileged students in programs like Siragugal face barriers in applying for scholarships due to limited tech access, unreliable voice tools, and cumbersome platforms, leading to duplicates and incomplete submissions.

Core functions

- Guides users through a step-by-step application process in Tamil or English via WhatsApp (for uploads) or SMS (fallback), collecting personal, education, financial, and document details with conditional questions.
- Validates inputs to prevent duplicates using phone, DOB, or Aadhaar digits; normalizes data with simple fuzzy matching and assigns a unique application ID.
- Handles document submission digitally or flags for courier; sends confirmations, status updates, and ranks applications using a basic 14-point scoring matrix.

Why it clicks: Makes scholarships accessible to low-tech users in regions like Chennai, with a live chat demo showing seamless guidance and impact on education equity, perfect for quick prototyping and social good resonance.

[https://github.com/navaneeth20/CSR/blob/main/GHF/Siragugal%20Chat%20Agent%20Requirements%20\(2\).pdf](https://github.com/navaneeth20/CSR/blob/main/GHF/Siragugal%20Chat%20Agent%20Requirements%20(2).pdf)

43. Student Career Profile Analyzer

Problem solved: Students, especially underprivileged ones in Chennai, struggle to align their strengths, interests, and personalities with suitable careers, leading to mismatched education choices and limited opportunities.

Core functions

- Inputs user details on intelligences (e.g., Linguistic, Logical-Mathematical), interests (e.g., Visual Arts, Law), and traits (e.g., Artistic, Investigative) via a simple quiz or form in Tamil/English.
- Analyzes data to generate a personalized profile with top strengths, matched career fields like Architecture or Biotechnology, and next steps like college research.
- Outputs a shareable report with suggestions for hobbies or secondary skills, using basic scoring and templates for quick PDF export.

Why it clicks: Tailored for programs like Siragugal, it delivers empowering insights in minutes, with an engaging demo simulating a student's profile to highlight creativity and analytical paths for real-world education impact.

<https://github.com/navaneeth20/CSR/blob/main/GHF/Report-Asrina%20Yasmine.pdf>.

Check <https://build2learn.in/> for other details