

TECH EXPO 2026 – A PROJECT EXHIBITION CUM COMPETITION

ShopLens — Digitizing Local Markets, Not Replacing Them

PROBLEM STATEMENT

- Local shoppers don't know product availability nearby.
- Multiple shop visits waste significant time and physical effort.
- Small physical vendors lack digital visibility against e-commerce giants.

PROJECT OVERVIEW

Mission: ShopLens is a hyperlocal commerce engine that digitizes local shop inventories for instant discovery.

Scope: Targets urban clusters with dense retail populations across grocery, electronics, and fashion sectors.

KEY FEATURES
Live product availability
Local shop discovery
Category-wise browsing
Lightweight seller dashboard

REAL-WORLD USE CASE

Example (Electronics): A user searches for a specific "Type-C Fast Charger" → System identifies 3 nearby stores with stock → User selects the closest shop → Local purchase completed instantly.

TECH STACK & PROJECT STATUS

Tech Stack: React, Node.js, Express, MongoDB, Maps & Location APIs

Project Status: Working Prototype • Seller & Customer Panels • Real-time Stock Sync

TEAM MEMBERS

Shashwat Dixit (Team Lead)
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