

AI - NEWS SUMMARIZER

FOR INSTANT KNOWLEDGE

SHAPING
LANDSCAPE IN THE NEAR FUTURE.

THALAPATHY VIJAY, A PROMINENT TAMIL ACTOR, HAS BEEN MAKING HEADLINES RECENTLY WITH HIS GROWING INVOLVEMENT IN POLITICZS. KNOWN FOR HIS MASSIVE FANBASE AND INFLUENCE IN TAMIL NADU, VIJAY HAS BEEN HINTING AT A POLITICAL ENTRY, SPARKING WIDESPREAD SPECULATION. HIS RECENT INTERACTIONS WITH FANS AND STRATEGIC PUBLIC APPEARANCES SUGGEST A CALCULATED MOVE TOWARDS ESTABLISHING A POLITICAL PRESENCE. VIJAY'S DECISION TO MEET WITH FANS AND DISCUSS SOCIAL ISSUES HIGHLIGHTS HIS INTENT TO LEVERAGE HIS

POPULARITY FOR POLITICAL GAINS. WHILE NO OFFICIAL ANNOUNCEMENT HAS BEEN MADE, HIS ACTIONS INDICATE A KEEN INTEREST IN SHAPING TAMIL NADU'S POLITICAL LANDSCAPE IN THE NEAR FUTURE.

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AMRITA. S

ARIVUMATHI. S

ANBUSATHYAN. B

EMPATHIZE

- **USERS FEEL OVERWHELMED BY INFORMATION OVERLOAD**
- **STRUGGLE TO GRASP KEY POINTS QUICKLY FROM LONG ARTICLES**
- **“CAN’T TELL IF NEWS IS POSITIVE OR NEGATIVE AT A GLANCE”**
- **WANT NEWS ACCORDING TO THEIR INTEREST**

DEFINITION

- **NEED QUICK UNDERSTANDING OF ESSENCE AND SENTIMENT**
- **SUMMARIES UNDER 3 SENTENCES WITH HASHTAGS**
- **PAGE LOAD UNDER 2 SECONDS**
- **GUIDED UI DESIGNS**

I D E A T E

- **BRAINSTORMED CREATIVE SOLUTIONS FOR THE SUMMARIZER**
- **AI-POWERED SUMMARIES USING GEMINI 2.5 PRO API (2-3 SENTENCES)**
- **SENTIMENT TAGGING: POSITIVE / NEGATIVE / NEUTRAL**
- **DARK ELEGANT UI FOR COMFORTABLE READING**
- **KEYWORD-BASED SEARCH FOR QUICK ACCESS**
- **FLASK CHOSEN FOR GOOD BACKEND**
- **GOOGLE-GENERATIVE AI FOR ADVANCED NLP**
- **PYMONGO FOR FLEXIBLE DATA STORAGE**

P R O T O Y P E

- **IVE DEMO ON LOCALHOST:5000**
- **SECURE REGISTRATION/LOGIN WITH MONGODB ATLAS + FLASK-BCRYPT**
- **DASHBOARD SHOWS REAL-TIME NEWS VIA NEWSAPI**
- **CATEGORIES: TECHNOLOGY, BUSINESS, SPORTS**
- **EACH CARD: HEADLINE, AI SUMMARY (2-3 LINES), SENTIMENT TAG (COLOR-CODED)**
- **KEYWORD SEARCH FOR INSTANT ARTICLE FILTERING**
- **CATEGORY SWITCH FOR SEAMLESS NAVIGATION**
- **MODULAR ARCHITECTURE: SEPARATE ROUTES – AUTH_BZ, NEWS_BP**
- **UTILITY MODULES FOR NEWS FETCHING & AI PROCESSING**
- **CONFIG MANAGEMENT FOR API KEYS & DATABASE CONNECTIONS**

T E S T I N G

- **USER TESTING: 15 USERS (STUDENTS, PROFESSIONALS, RETIREES)**
-
- **ACCURACY: 93% FOUND AI SUMMARIES CLEAR & RELIABLE**
-
- **EFFICIENCY: 40% LESS TIME SPENT GETTING INFORMED**
-
- **EMOTIONAL CONTROL: SENTIMENT TAGS HELPED AVOID DRAINING CONTENT**
-
- **UI PREFERENCE: STRONG APPROVAL FOR DARK THEME (ESPECIALLY AT NIGHT)**
-
- **ADDED CACHING TO BYPASS NEWSAPI 100-REQUEST/DAY LIMIT**
-
- **INTEGRATED 404/500 ERROR HANDLERS FOR BETTER RELIABILITY**
-
- **REFINED GEMINI PROMPTS FOR CONSISTENT SUMMARY LENGTH**



THANK YOU