## Team Vercel POLICE C

Citizen Grievance Redressal System

Team Vercel

#### Ourteam



Anubhav Full Stack Dev.



Deepak
Backend Dev.



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Samvar UI Dev.

## Team Vercel Problem Colonia C



- •1.2M civic complaints unresolved each year
- •Manual systems slow down response
- •No tracking or user updates
- •People feel unheard, especially in small towns
- •Lack of trust weakens civic engagement
- •Solution must be digital, scalable, and fair

# Team Vercel SOUTION



- •Smart complaint categorization (text/image)
- Auto-priority using sentiment analysis
- •Geo-tagged photos on a live map
- •Real-time dashboards for officials
- •WhatsApp-based reporting and updates
- •Role-based secure access

#### Team Vercel

User

- Feedback
- Track
- Report





Complaints



Updates







- Prioritize
- Classify
- Chatbot



- Public
- View stats
- Map
- Trends

Super-admin

- Manage
- Roles
- Audit logs



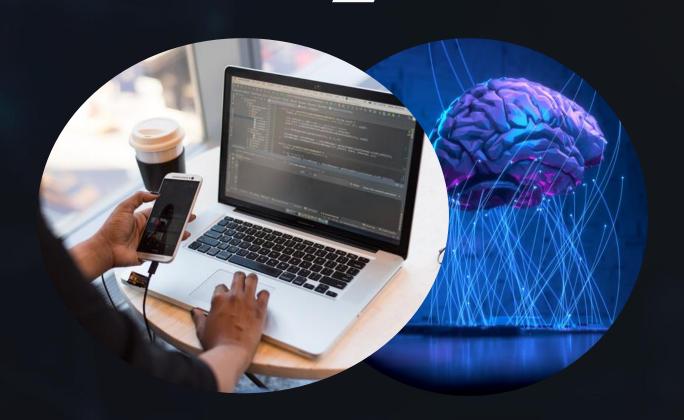


- Resolve
- Send Update





### Rey Innovation



- •Text classification via BERT
- •Image tagging with CNN (ResNet)
- Sentiment scoring to assign priority
- •Heatmaps generated from geo data
- •Future: LLM-based auto replies
- •Enhances fairness and response speed

# Futurescope



- Voice input & IVR complaint logging
- •Predictive alerts for hotspot areas
- •Smart city dashboard integration
- •Auto-responses from fine-tuned LLMs
- •Reward system for active citizens
- •Multilingual analytics for governance

#### Team Vercel Care Control Car



- SaaS subscription for municipalities
- White-label for private agencies
- o Analytics dashboard: paid premium features
- o API access for third-party civic apps
- Sponsored civic awareness campaigns

## Debendents Team Vercel Debendents



- •Frontend: React hosted on Vercel
- •Backend: Python FastAPI on Render
- •Supabase: Auth, DB, storage
- •ML served via scalable APIs
- •WhatsApp API for direct user interface
- •Plug & play model for municipalities

## Costs/Benefits



- Effort Estimate: MVP in 6-7 weeks
- Subscriptions: Supabase, WhatsApp API
- Dependencies: Hosting, open-source models
- ROI: Faster resolutions, more trust, reduced overhead
- Low infra cost: \$100–\$500/month
- High civic impact: Transparent, inclusive, scalable

#### Team Vercel



#### Core Demo

