

# Quicky - AI Summarization Tool

A powerful AI-powered summarization tool that transforms videos, blogs, PDFs, and text into digestible insights with multiple output formats.

## Features

- **Multiple Input Types:**
  - YouTube video URLs (with transcript extraction)
  - Blog articles and web content
  - PDF documents and eBooks
  - Raw text and paragraphs
- **Flexible Output Formats:**
  - Bullet points for quick scanning
  - Structured paragraphs for detailed understanding
  - Concise notes for reference
  - Mind maps for visual learning
  - Keywords extraction for SEO
  - Presentation slides format
- **Smart Features:**
  - Content caching for faster repeated summaries
  - Session management
  - Like/unlike summaries
  - Copy to clipboard
  - File upload with drag & drop
  - Responsive design for all devices

## Technology Stack

### Backend

- **Flask** - Python web framework
- **SQLAlchemy** - Database ORM
- **Flask-CORS** - Cross-origin resource sharing
- **Flask-Limiter** - Rate limiting

- **BeautifulSoup4** - Web content extraction
- **PyPDF2** - PDF text extraction
- **python-docx** - Word document processing
- **youtube-transcript-api** - YouTube transcript extraction

## Frontend

- **HTML5** with modern CSS3
- **Vanilla JavaScript** (ES6+)
- **Responsive Design** with mobile support
- **CSS Grid & Flexbox** layouts
- **Custom animations** and transitions

## Database

- **SQLite** (development)
- **PostgreSQL** (production ready)



## Prerequisites

- Python 3.8 or higher
- pip (Python package installer)
- Git



## Installation & Setup

### 1. Clone the Repository

```
bash
git clone <your-repository-url>
cd quicky-ai-summarizer
```

### 2. Create Virtual Environment

```
bash
```

```
# Create virtual environment
```

```
python -m venv venv
```

```
# Activate virtual environment
```

```
# On Windows:
```

```
venv\Scripts\activate
```

```
# On macOS/Linux:
```

```
source venv/bin/activate
```

### 3. Install Dependencies

```
bash
```

```
pip install -r requirements.txt
```

### 4. Environment Configuration

Create a `.env` file in the root directory:

```
bash
```

```
cp .env.example .env
```

Edit `.env` file with your configuration:

```
env
```

```
# Flask Configuration
```

```
FLASK_APP=app.py
```

```
FLASK_ENV=development
```

```
SECRET_KEY=your-super-secret-key-here
```

```
# Database Configuration
```

```
DATABASE_URL=sqlite:///quicky.db
```

```
# AI API Keys (at least one required for real AI summaries)
```

```
OPENAI_API_KEY=your-openai-api-key-here
```

```
# ANTHROPIC_API_KEY=your-anthropic-api-key-here
```

```
# GOOGLE_API_KEY=your-google-api-key-here
```

```
# File Upload Settings
```

```
MAX_
```

