Naveenkumar V

📞 9003801686 | ✉ naveenkumar2006.kongu@gmail.com

🔗 **LinkedIn:** https://www.linkedin.com/in/naveen-kumar-53b6ab291/

🔗 **GitHub:** https://github.com/Naveenkumar-Dev-21

🌐 **Portfolio:** https://naveenkumar-dev-21.github.io/Portfolio/

———————————————————————————————————————

Summary

Passionate and dedicated developer with hands-on experience in mobile and desktop application development, and a strong interest in machine learning and software security. Actively learning penetration testing and ethical hacking, driven by a clear ambition to build a career in the cybersecurity domain. Eager to contribute to innovative solutions and secure systems.

Skills

Programming Languages: Python, Dart

Frameworks/Libraries: PyQt5, Flutter, Tkinter, OpenCV, Librosa, Sounddevice, SIFT, FLANN, Pydub, Pillow (PIL), pynput, Mutagen, Pygame, yt-dlp, Scrapy, NLTK, SpeechRecognition, gTTS, MediaPipe, TensorFlow/Keras

Tools/Technologies: Git, VS Code, MinIO, Firebase (Firestore, Authentication), Tor, SQLite

Domains/Concepts: Machine Learning, Natural Language Processing (NLP), Mobile Development, Desktop Development, Software Security, Penetration Testing, Ethical Hacking, Steganography, Biometric Authentication

Projects

All projects below were developed by me as the sole contributor.

Multi-Modal Biometric Authentication System (Prototype)

- Description: A desktop application demonstrating various biometric authentication modalities for enhanced security.
- Key Contributions: Implemented multi-modal authentication (Face, Voice, Iris, Fingerprint); developed real-time capture and processing; user-friendly GUI; notifications.
- Technologies: Python, Tkinter, OpenCV, Librosa, Sounddevice, SIFT, FLANN

Media Player

- Description: A desktop music and video player with advanced features and a modern UI.
- Key Contributions: Support for audio/video playback, custom UI, themes, audio visualization, playlists, equalizer, shortcuts.

- Technologies: Python, PyQt5, QMediaPlayer, Mutagen, Pygame, yt-dlp

Dark Web Monitoring Tool
- Description: Automated tool to scan dark web forums and marketplaces for sensitive keyword alerts.
- Key Contributions: Tor integration; real-time alerts; keyword-based content filtering using NLP.
- Technologies: Python, Scrapy, Tor, NLP

Cipher Hide
- Description: A steganography tool to hide/extract messages in images, audio, and video.
- Key Contributions: Supports PNG/BMP/WAV/MP3/MP4; intuitive CLI; invisible alterations.
- Technologies: Python, Pillow, Pydub, Bitwise ops

Mobile Achievement Tracker
- Description: Cross-platform mobile app to track achievements and goals.
- Key Contributions: User auth; add/edit/delete achievements; cloud sync and notifications.
- Technologies: Flutter, Dart, Firebase, Provider

Keylogger
- Description: Discreet keylogger for security auditing or parental control.
- Key Contributions: Encrypted log saving; background mode; secure file handling.
- Technologies: Python, pynput, threading, encryption

File Sharing App
- Description: Secure file sharing application.
- Key Contributions: Developed core file sharing functionalities.
- Technologies: Python, MinIO

Education
B.Tech Information Technology
Kongu Engineering College | Perundurai, Erode, Tamilnadu

Certifications
AWS Cloud Practitioner by Amazon Web Services.