GOKULAKRISHNAN K

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PROJECTS

1.AI FACIAL VOTING SYSTEM:

- Developed an AI-powered voting system using facial recognition technology
- Implemented facial recognition algorithms with "Anti face spoofing" and ArcFace
- Enhanced security with multi-factor authentication and ID database integration
- Reduced voting time by 50% compared to traditional methods
- Technologies: Python, TensorFlow, OpenCV, MySQL.

2. E-commerce (AI powered app):

- Developed an AI-powered shopping app with a social media-like UI
- Integrated advanced AI for personalized experiences
- Languages: Python, Kotlin, Html,CSS,JS,SQL,PHP

3.AI Virtual desktop Assistant for windows:

- Platform: WindowsProgramming
- Language: Python
- Libraries: SpeechRecognition, pyttsx3, OpenCV
- Built an AI assistant with memory engine, FAISS for long-term memory.
- Features:
  - Voice recognition and command execution
  - Task automationSmart device integration via IoT
  - Real-time system monitoring and controlUser-friendly interaction through natural language processing

4. Enliten Academy (AI-powered TNPSC Learning Platform)

- Developed an AI-driven TNPSC learning app with mock test generators and quizzes.
- Built a website using Vercel (Python + React),Firebase authentication.
- JWT token, session based dynamic AES keys for encryptions at endpoints
- Integrated AI features for personalized study recommendations.

5. Blockchain-Based Digital Certificate System:

- Developed a certificate generation and validation system using Ethereum blockchain.
- Used Ganache for smart contract testing and IPFS for decentralized storage.
- python, solidity, React and JS where used

EDUCATION

- **Dr. Mahalingam college of Engineering and Technology, Pollachi .**

  BE. COMPUTER SCIENCE ENGINEERING (Cyber Security) - **CGPA:8.1**

ACHIVEMENTS

- **TECHCARNIVAL 2K'24:** 1st prize in Coding and debugging conducted by college.
- DIGIFEST**:** Participated in Internal Web development competition and entered into won 1st prize in Finals
- PROJECT EXPO 2024**:** Got 2nd in Project expo organised by Dr. Mahalingam College.
- **Pgitech -** Secure 2nd prize in prompt engineering battle

TECHNICAL SKILLS

LANGUAGES: C, C++, Python, Kotlin, Bash (Shell scripting)
WEB TECHNOLOGIES: HTML | CSS | Javascript | React | PHP | Electron JS | Tailwind CSS
 QUERY LANGUAGE: My SQL|Mongodb
EDITORS:VsCode, Pycharm, Android studio, Jupiter Note Book, Anaconda, Arduino IDE.
OTHER TOOLS: Github | GIT | Blender | Figma | MIT app inventor |Canva | Open Element

ACHIVEMENTS IN CODING PLATFORM

- HACKERRANK : Hackos-3089 / C- 4 Star / Python - 4 / Problem Solving - 3 /JAVA - 3 star
- LEETCODE : RANK: 23,99,088

CERTIFICATIONS:

- HTML - Great learning
- SQL - Hackerrank
- Problem Solving
- Data Structure and Algorithms using C and C++ - Udemy
- Python - Hackerrank
- Cisco-Introduction to cyber security.
- REACT JS -Great Learning.
- Javascript - Hackerrank
- Java

I hereby declare that the information provided above is true to the best of my knowledge and belief.