

VASANTH KUMAR AM



PERSONAL PROFILE

I am a dedicated and enthusiastic Computer Science Engineering graduate with a passion for technology and a drive to make a positive impact through innovation. My educational background has equipped me with a solid foundation in programming, web development, and cybersecurity.

SKILLS AND ABILITIES

Programming Languages:

- - Java
- - JavaScript
- - Python
- - Solidity
- - php

Web Technologies:

- - HTML
- - CSS

Database:

- - SQL

Security:

- - Web Penetration Testing

Operating Systems:

- - Linux
- - Windows

ACADEMIC PROFILE

Bachelor of Engineering (B.E.) in Computer Science

Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College (Autonomous)
#42, Avadi - Vel Tech Road, Poonamallee - Avadi High Rd, Vel Nagar, Chennai, Tamil Nadu 600062
Graduation Year: 2024

Secondary School

Nazareth Matriculation Higher Secondary School 8, Patel St W, Kamaraj Nagar,
TNHB Mig V Block, Avadi, Tamil Nadu 600071
Graduation Year: 2020

OTHER SKILLS

I am multilingual and can speak in English, Tamil, Telugu, Strong organizational and time management abilities

CONTACT DETAILS

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PROJECTS

Tokyo StreamHub: A Comprehensive Streaming Platform Development Project:

- Developed a web application for streaming entertainment content with an admin panel using PHP, SQL, and JavaScript.
- Implemented features for user authentication, show management, commenting, and viewing analytics.
- Designed a responsive and user-friendly interface to enhance the streaming experience. Contributed to backend and frontend development, ensuring seamless functionality and efficient data management.

Sleep Detection in Cars using Eye Aspect Ratio

- Implemented a system to detect drowsiness and sleep in drivers using the Eye Aspect Ratio (EAR) technique.
- Developed the algorithm to monitor and analyze changes in EAR, a reliable indicator of eye openness and fatigue.
- Integrated real-time video processing for accurate drowsiness predictions.
- Implemented an alert system for drivers when signs of drowsiness were detected.

Smart Contract for Corban Trading

- Developed a Solidity-based smart contract for Corban Trading on the Ethereum blockchain.
- Automated and enforced trading agreements, ensuring transparency and security.
- Reduced the need for intermediaries and minimized fraud risks in transactions.

EXPERIENCE

TG Cyber Labs - Intern

- Participated in a comprehensive internship program focused on web penetration testing and bug bounty hunting.
- Conducted thorough security assessments of web applications, identifying vulnerabilities and potential exploits.
- Collaborated with the team to analyze and remediate security issues, ensuring the robustness of web applications.
- Actively engaged in bug bounty programs, contributing to the identification and resolution of security vulnerabilities.