

## GOKUL KANNAN G

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### EDUCATION

**DIPLOMA IN COMPUTER ENGINEERING – 90.88%** **2024**

PSG Polytechnic College, Coimbatore, Tamil Nadu

**CENTRAL BOARD OF SECONDARY EDUCATION (CBSE) – 85.2%** **2021**

Bhavan's Gandhi Vidyashram, Kodaikanal, Tamil Nadu

- Secured **1<sup>st</sup> Rank** in Mathematics
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### INTERNSHIPS

**Hackup Technologies, Coimbatore (15/05/2023 – 10/06/2023)**

- Fetching the HTTP request between client and server and modifying the request
  - SQL Injection , Cross Side Scripting , Cross-Site Request Forgery (CSRF) , Bug Bounty
  - Phishing – Creating a website to phish the details from the user
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### SKILLS

**Programming** – C , Java , IoT , Python, SQL, HTML, Android Studio

**3D Modelling** – Blender, Unity HUB

**Editing** – Photoshop , Premier Pro, After Effects, Davinci Resolve

**Linux** – Ubuntu , Kali

**Website Hacking** – Block the request between client and server and modify the request

**CMS** – Joomla , Drupal , Word Press

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### WORKS AND PROJECTS

**Developed VulnScan - A High Level Web Penetration Testing tool ( Final Year Project )**

- VulnScan has **9 high level modules** – Port Scan, Domain Enumeration, Domain Fingerprinting, SQL Injection, XSS Testing, CSRF Detection, Finding the Location of the Server, SSL/TLS certificate, Report Generation
- **Language** : Python
- **Softwares Used** : Visual Studio Code

- **Platform** : Command Line ( Terminal or Command Prompt )

#### Hacked Websites

- **Bio Carve** – A Seed Selling Website , My Project was successfully hacking Bio Carve's Payment Page ( Cracked the Payment as 1Rs which was 17,999 before )
- **Softwares Used** : Burp Suite
- **Platform** : Kali Linux

#### Health Monitoring System ( IoT Project )

- An high level IoT project based on the user's Pulse rate , SpO2, Blood Pressure and send the user or user's desired person a critical message when the Pulse rate , SpO2 , Blood Pressure is low.
- **Language** : C
- **Softwares Used** : Arduino IDE
- **Platform** : Arduino IDE

#### Metal Detector ( Electronics Project )

- Made a frequency-based metal detector using 555 Timer IC
- The project gives a different sound when metal object is near

#### Hosted websites

- Nefelibata– A music website which can play song , download song and give the description about the song
- JO-Restaurant – A static Restaurant Website
- **Language** : Html, CSS, Java Script
- **Softwares Used** : Visual Studio Code
- **Platform** : Netlify

#### Singular Value Decomposition (SVD) and Particle Swarm Optimization ( PSO )

- A PhD theses project developed for my faculty which is used to convert the image into matrix and decompose it for optimizing the image .
- **Language** : Python
- **Softwares Used** : Visual Studio Code
- **Platform** : Command Line ( Terminal or Command Prompt )

#### ADDITIONAL INFORMATION

- **Communication Skills** – English , Tamil , Hindi , Malayalam , Telugu
- **Interpretation Skills** – Leadership, Team Management, Time Management, Problem Solving
- **Certifications** – C++ (Udemy), C with DSA (Geeks for Geeks)
- **Team Leader** – Final year Project ( VulnScan)
- **Team Leader** – IEEE Conference Project Presentation
- **Team Leader** – For all co-curricular and extra-curricular activities
- **Syllabus Designer** – Designed the 2024-2027 Syllabus for Diploma Computer Engineering in PSG Polytechnic College