

Sarang P Anoop

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SKILLS

- **Languages:** Java, JavaScript/Node.js, Python, C, C++
- **Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming, Network Programming
- **Web Technologies:** HTML5, CSS3, TailwindCSS
- **Networking:** Network Security, Protocol Analysis, Network Programming
- **Tools/Frameworks:** MySQL, Git, GitHub, Mine Flayer, Fabric Modding
- **Operating System:** Windows, Mac Os, Linux
- **Soft Skills:** Problem-Solving, Analytical Thinking, Adaptability, Team Collaboration, Communication

PROJECTS

- **Minecraft Automation Bots**
Tech Stack: JavaScript, Node.js, Mineflayer
 - Designed and developed a lightweight, high-performance automation framework consisting of 10+ autonomous Minecraft bots capable of complex behaviors such as mining, farming, combat, trading, and exploration.
 - Engineered a custom protocol-level Minecraft client that emulates legitimate player behavior, enabling seamless and low-resource operation on vanilla and modified servers, even under strict anti-cheat environments through advanced techniques like behavioral mimicry, packet timing randomization, and physics simulation.
 - Implemented advanced anti-detection techniques (behavioral mimicry, packet timing randomization, physics simulation) to bypass strict anti-cheat systems, demonstrating deep expertise in networking, reverse engineering, and cybersecurity principles.
- **Minecraft Combat Modification**
Fabric Mod (Java)
 - Developed a client-side Fabric mod that enhances combat performance by reducing incoming damage and increasing outgoing damage while maintaining realistic player behavior.
 - Successfully operates on protected multiplayer servers through advanced packet manipulation, protocol understanding, and anti-cheat evasion techniques.
 - Demonstrates deep knowledge of Minecraft's networking, rendering, and modding ecosystem.
- **Food Connect – Surplus Food Donation Platform:**
Tech Stack: HTML, TailwindCSS, JavaScript
 - Developed a responsive web platform connecting restaurants and NGOs for surplus food distribution.
 - Designed structured UI components with focus on usability and accessibility.
 - Implemented interactive front-end features using JavaScript for improved user engagement.

CERTIFICATES

- C Programming – HackerRank
- Data Structures in C++ – Great Learning
- C++ Programming – SoloLearn
- Introduction to Cybersecurity – Cisco NetAcad
- Networking Basics – Cisco NetAcad
- Cyber Job Simulation - Deloitte

ACHIEVEMENTS

- **Secured 9th rank in the Hackathon: HACKAI 2.0:**
Participated and ranked 9th in the Hackathon organized by School of Computer science and Engineering LPU

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Computer Applications (Hons.cybersecurity) Aug 2024 - Present
- **SN.Trust HSS Natikka** Thripyar, Kerala
Intermediate; Percentage: 83% Apr 2018 - Mar 2020
- **HS Anthikad** Anthikad, Kerala
Matriculation; Percentage: 92% Apr 2016 - Mar 2018