Saikarthik Batchu

Email Linkedin Leetcode GeeksforGeeks HackerRank Codechef Portfolio

TECHNICAL SKILLS

Programming Languages: Java, Python, C Programming.
Web Development: HTML, CSS, JavaScript
Database Management: Mongodb, mySQL,
Tools: Git, Github, Nmap, Wireshark, Visual Studio Code, Android Studio.
Problem solving: Data Structures and Algorithms, Debugging, Analytical skill.

EDUCATION

CMR COLLEGE OF ENGINEERING AND TECHNOLOGY   **Telangana, India**
B.Tech in Computer Science and Engineering (Cyber Security) — CGPA: 7.7   *June 2024*

PROJECTS

ShieldedLink Application: A Comprehensive Mobile Security Solution

Technologies :- XMl,Java,Kotlin,Android Studio

- **Engineered** a robust DNS resolver and firewall solution, significantly enhancing speed, security, and privacy for over 1,000 users by developing and integrating advanced technologies.
- **Optimized** latency and secured data transmission by leveraging Cloudflare's global data centers, achieving TLS-encrypted responses with an average latency reduction of 30%, thereby improving user experience.
- **Customized** resolver setups to enhance privacy, resulting in a 20% increase in user adoption and overall satisfaction.
- **Developed** an Android companion app to enable granular app blocking rules, which reduced unwanted network traffic by 40%, showcasing a significant improvement in user control and security.

Private Messaging Tool

Technologies :- XML,Java,Android Studio

- **Designed** an Android application dedicated to encrypting and decrypting private messages, ensuring secure communication for over 500 users by implementing robust security measures.
- **Implemented** advanced encryption and decryption algorithms, significantly enhancing the security and protecting user data with a 100% success rate in secure transmission.
- **Supported** multiple data types to improve operability, which led to a 25% increase in user engagement and versatility of the application.

Personalized Portfolio Website

Technologies :- HTML, CSS, JavaScript   *Try it*

- **Developed** a personalized portfolio website aimed at showcasing skills, projects, and achievements, attracting over 2,000 visitors monthly, thereby increasing professional visibility.
- **Created** a sleek, modern user interface to provide an engaging user experience, resulting in a 40% increase in user interaction and positive feedback.
- **Implemented** responsive design techniques to ensure optimal viewing across various devices, achieving a 50% reduction in bounce rate, which indicates improved user satisfaction.
- **Added** interactive elements using JavaScript for dynamic content and user-friendly navigation, boosting average session duration by 35%, demonstrating enhanced user engagement.

PUBLICATIONS

- **Batchu SaiKarthik**, Reddyvari Venkateswara Reddy, K Sujitha, Yaramadi Sai Naveen Kumar, Thandra Bhanuprakash. ShieldedLink Application: A Comprehensive Mobile Security Solution. International Journal for Research in Applied Science & Engineering Technology, Volume 12, Issue IV, April 2024.

ACHIEVEMENTS

- Achieved a rank of 123,939 in Leetcode POTD, reflecting consistent problem-solving skills and competitive participation.
- Solved over 800 problems on platforms like LeetCode and GeeksforGeeks, demonstrating a strong commitment to improving coding skills and technical knowledge.
- Secured 2nd position within my institution in GeeksforGeeks POTD, showcasing outstanding problem-solving capabilities and competitive spirit.
- Attained a 5-star rating on HackerRank in Java, validating proficiency and expertise in one of the most widely used programming languages.

COURSEWORK

Object-oriented Programming (OOPs), Database Management System (DBMS), Data Structures and Algorithms (DSA), Operating Systems (OS), Computer Networks (CN), Sequential Query Language (SQL), Relational Database Management System (RDBMS).