

SAHIL KUMAR

Gaya, Bihar

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EDUCATION

Lovely Professional University

B.Tech - Computer Science and Engineering - CGPA - 7.0.

07 2022 – 07 2026

Phagwara, Punjab

D.A.V Public School

Higher Secondary School Certificate - Science Stream (PCM).

06 2021 – 05 2022

Gaya, Bihar

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Network Security
- Database Management System (DBMS)
- JAVA
- OOPS Concept
- Cybersecurity
- Kali Linux
- Web Development
- Android Development

PROJECTS

Music Player Application 🔗 | Spring Boot, React, Java, JavaScript

07-2024

- About project - Developed a music player application using Spring Boot for backend services and React for the frontend. The application allows users to manage and play their music collection stored locally in an array list and integrates with the API to add tracks to playlists. Implemented a search feature, sorting functionality with animations, and seamless interaction between frontend and backend using Restful APIs.
- <https://github.com/sahilkumarclass/MusicPlayerAPI>

Placement-and-Training-Management-system 🔗 | C, File Handling

10-2023

- About project - Developed a system to manage placements and training processes using C, with a focus on efficient data management through file handling techniques. Implemented modules for student registration, company records, job postings, and tracking applications, all managed through file operations. Ensured data integrity and consistency across operations by efficiently handling large datasets.
- <https://github.com/sahilkumarclass/Placement-and-Training-Management-system/blob/main/Project1.c>

Gym Website 🔗 | HTML, CSS, CSS Framework, Node.js, JavaScript, Bcrypt.js

04-2024

- About Project - Developed a secure and responsive gym website using HTML, CSS, and JavaScript for the frontend, with Node.js handling the backend operations. Emphasized cybersecurity by implementing Bcrypt.js for secure password hashing, ensuring the protection of user credentials. Utilized an .env file to securely manage and protect database connection credentials, enhancing the overall security posture. Deployed the website on a cloud platform, ensuring both high availability and robust data security.

Cybersecurity Solution 🔗 | Python, Java, C++, Wireshark, Nmap, Metasploit

06-2024

- About Project - Developed a cybersecurity solution to protect web applications from common threats like SQL injection, XSS, and CSRF. Conducted threat modeling, vulnerability assessments, and penetration testing. Integrated encryption protocols (SSL/TLS, AES) and deployed automated security monitoring systems to ensure high levels of security. Collaborated with cross-functional teams to implement secure coding practices.

TECHNICAL SKILLS

Languages: Java, C, C++, JavaScript, Python, Kotlin, SQL, MongoDB, XML

Tools: VS Code, Android Studio, IntelliJ, MongoDB Compass, Wireshark, Nmap, Metasploit, Netcat, SQL Injection, John the Ripper, Burp Suite, OpenSSL

Technologies/Frameworks: Linux, GitHub, ReactJS, NodeJS, ExpressJS, Git, MongoDB, Spring Boot, Penetration Testing, NIST Cybersecurity Framework, ISO/IEC 27001, Encryption Protocols (SSL/TLS, AES)

CERTIFICATIONS

- ReactJS
- A.I
- C++, DSA 🔗
- Coursera
- Java
- MongoDB - MongoDB University
- Operating Systems - Coursera
- NodeJS with Express & MongoDB - MongoDB University
- Command Line in Linux - CompTIA Linux+ XKO-005
- Cloud Computing - NPTEL
- The Bits and Bytes of Computer Networking -