

Anurag Ghosliya

📞 9602727445 ✉ 2022uch1293@mnit.ac.in 🌐 <https://github.com/git075>

EDUCATION

Malaviya National Institute of Technology Jaipur

2022 - Present

Bachelors in Chemical Engineering

EXPERIENCE

CyberSecurity Research Intern @ MNIT JAIPUR [June 2024 - July 2024]

- Exploited known vulnerabilities in various Ubuntu kernels to understand the working of the exploits and to be able to fix and prevent similar vulnerabilities.
- Worked on Pfsense Firewall by configuring Pfsense and writing custom rules for network packets.

PROJECTS AND ACHIEVEMENTS

FILE UPLOAD SYSTEM | JAVA, SPRING BOOT, HIBERNATE, MYSQL, MAVEN | [GITHUB REPO](#)

- Developed a Java-based web application to streamline file transfers for print shops. The app enables customers to upload files directly via QR codes, simplifying operations and enhancing customer experience.
- Users can upload files directly to a shop's designated directory by scanning a QR code provided by the shop. This eliminates the need for traditional methods like email or WhatsApp for file transfers.
- Implemented secure **REST APIs** for **QR code generation**, user authentication, and file uploads with **Hibernate** and **MySQL**.
- Designed a scalable architecture with **WAN support** for shop registration and **real-time file management**.

JDBC-BASED USER MANAGEMENT SYSTEM WITH ENCRYPTION | JAVA, SERVLETS, JSP | [GITHUB REPO](#)

- Developed a web-based user management system using **Java Servlets**, **JSP**, and **JDBC**, providing **CRUD operations** to manage user data.
- Integrated AES-based encryption for sensitive information like usernames and emails, enhancing data security and privacy.
- Designed a modular architecture with reusable DAO (Data Access Object) classes for database operations, leveraging MySQL for efficient data storage and retrieval.
- Utilized JSP for frontend design and Servlets for backend logic, ensuring seamless user interaction and data processing

MINOR PROJECTS

CUSTOMER RELATIONSHIP MANAGEMENT | JAVA, SPRING BOOT, MYSQL, REST API | [GITHUB REPO](#)

- Developed a Customer Relationship Management (CRM) System using Java Spring Boot, building and testing over 10 RESTful APIs to support CRUD operations and data management for customer records.
- Integrated MySQL as the backend database, ensuring efficient storage and retrieval of customer data while optimizing schema design for scalability.

MULTITHREADED WEB SERVER WITH THREAD POOL/WITHOUT THREAD POOL | JAVA | [GITHUB REPO](#)

- Designed robust client-server communication using TCP sockets, ensuring reliable and fast data exchange.
- Developed a high-performance multithreaded web server using Java and ExecutorService to handle multiple concurrent client requests.

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Technical Skills and Interests

Languages:Java (Core, Advanced, DSA), Python, Dart, JavaScript (JS).

Developer Tools:IntelliJ IDEA, Eclipse, Visual Studio Code (VSCode), Apache Tomcat.

Frameworks:Spring (Basics), Spring Boot, Hibernate, JSP, Servlets, Numpy, Pandas, Matplotlib, Seaborn.

Cloud/Databases:MySQL, JDBC, MongoDB.

Soft Skills:Debugging, Troubleshooting, Version Control (Git), Github, OOPs Concepts, Effective Communication

Machine Learning:Supervised and Unsupervised Learning Algorithms.

Networking and Cybersecurity:Networking Protocols, OSI Model, Cisco Packet Tracer, pfSense Firewall Configuration.

EXTRACURRICULAR ACTIVITIES

CACS Club, MNIT Jaipur

- Worked as a web developer, managing the cultural fest's website and implementing additional features to enhance its seamless functionality.
- Mentored junior members of the Web Development team by assigning tasks, providing guidance, and improving their technical skills and overall experience.

Sphinx - Tech Fest of MNIT Jaipur

- Participated in a web development hackathon and developed a robust feature offering enhanced security and feasibility compared to traditional cookie-based session management.

MNIT Football Team Member

- Represented MNIT Jaipur as a dedicated football team player, actively contributing to team strategy, coordination, and performance in inter-college tournaments.