Fazal Khan

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Education

Christ (Deemed to be University)	Bengaluru
Bachelor of Technology - Computer Science Engineering (Internet of Things)	2021-2025
City Montessori School	Lucknow
Intermediate - ISC - 87.25%	2020
City Montessori School	Lucknow
High School - ICSE - 78.80%	2017

Experience

Incognito Forensic Foundation | *Web Developer / Cyber Security Intern*   April - June 2024

- Acquired advanced expertise in **Web Application Penetration testing**, specializing in identifying and mitigating vulnerabilities such as **Cross-Site Scripting (XSS)** and **SQL Injection**, ensuring the security and integrity of web applications.
- Led the development and deployment of three dynamic websites, including WordPress-based platforms, demonstrating expertise in **backend development**, **database management**, and **server hosting** through **cPanel** for seamless site performance and user experience.

Prodigy InfoTech | *Cyber Security Intern*   April 2024

- **Developed cybersecurity tools**, including a Python-based Caesar Cipher Encryption/Decryption Program, demonstrating proficiency in **cryptographic algorithms** and text manipulation techniques essential for ensuring data security in transmission.
- **Engineered an Image Encryption Tool** independently, utilizing advanced pixel manipulation techniques to enhance image security, showcasing proficiency in data encryption within the cybersecurity domain.

Smartknower | *Application Development Intern*   April - July 2022

- Developed foundational expertise in **Android Studio** and **Java**, establishing a strong base for future development projects.
- Transitioned to **Flutter**, enhancing capabilities in cross-platform mobile app development, and created a feature-rich portfolio app, demonstrating proficiency in UI design and platform integrations.

Projects

Patient Record Management   October 2023

- **Developed a RESTful API** using **Django** to manage patient data, incorporating CRUD operations for *medical records*, *appointments*, *prescriptions*, and *billing*. It ensured data integrity and efficient retrieval, supporting seamless collaboration among healthcare providers.
- Integrated secure data handling and user **consent management**, ensuring **compliance** with privacy regulations. Optimized **API endpoints** for patient registration, record retrieval, and billing, reducing redundancy and improving workflow efficiency.

SmartLib   April 2023

- Leveraged RFID and barcode scanning technologies to automate library functions, significantly reducing manual tasks and aligning with Amazon's focus on **automation** to enhance operational efficiency.
- Developed a user-friendly GUI for book transactions, integrating RFID-based check-in/check-out and **automated fine calculations**, while optimizing data handling and **user-centric experience**, showcasing expertise in troubleshooting, design, and structured data management.

AppWin | Employee Data Management System   April 2023

- Developed an application for comprehensive employee data management, features like add, remove, and search for employee details.
- Utilized Java Swing and AWT components to design an UI, optimizing user navigation and interaction for seamless data handling.

Certificates

Red Hat | *System Administration I*	***ServiceNow |*** *System Administrator & Application Developer*
Red Hat | *Introduction to OpenShift Applications*	***VMware |*** *Cloud and Virtualization Concepts*
Cisco | *CCNAv7: Introduction to Networks*	***IBM |*** *Introduction to Cloud*
Cisco | *Cybersecurity & Networking Essentials*	***Google |*** *Data Analytics*

Skills

`Web Services` `SOA` `REST API` `Troubleshooting` `Debugging` `Monitoring` `Scripting` `Networking` `Automation` `Selenium`

`RAID` `Cloud Computing` `AWS` `Version Control` `Virtualization` `Docker` `Firewall & Network Security` `ServiceNow` `MongoDB`

Extracurricular

Student Ambassador, Red Hat

- Promoted open-source software and Linux fundamentals through hands-on workshops, technical seminars, and collaborative projects.

Club Head, Sentrix IoT Club

- Founded Sentrix, an IoT-focused club, where I organized "ConnectXpo", an event with 13 participating teams, fostering innovation in the IoT community.