SYMBIOSIS
University of Applied Sciences, Indore
(Established by Govt. of M.P. vide Act No.23 of 2016 & Recognised by UGC u/s 2(f) of 1956 Act)

Dhruv Agarwal

Skills

- JAVA
- C/C++
- Git/GitHub
- Latex
- Cloud Computing
- Docker
- PowerShell
- Linux
- Hyperledger Fabric
- Computer Networks
- Cryptography
- Cryptanalysis
- Visualization and Reporting
- Analytical Research
- Hashing

Education

Year	Examination	Institution/College Name	University/Board Name	Percentage / CGPA
2024	B.Tech (CSIT)	Symbiosis University of Applied Sciences, Indore (Madhya Pradesh, India)	Symbiosis University of Applied Sciences, Indore (M.P)	*Pursuing* (90.8 %) *9.8 CGPA*
2020	Class-XII (PCM)	Shiv Jyoti Sr. Sec. School, Kota (Rajasthan, India)	Rajasthan Board of Secondary Education	74.00 %
2018	Class-X	St. Paul's Sr. Sec., Chittorgarh (Rajasthan, India)	Central Board of Secondary Education	89.00 %

Internships

- **Virtually Testing Foundation** *Los Angeles, California, USA* (Sept 2022 – Nov 2022)
  As an Information and Network Security intern, I gained hands-on experience with MITRE ATT&CK, Pentesting and Sandboxing, and acquired valuable business and professional skills in various cybersecurity technologies.
- **Tata Consultancy Service** *Indore, M.P., INDIA* (Aug 2022 - Sept 2022)
  As a software developer we developed an Android app with GPS based navigation powered by QR Code Tracking, using PostgreSQL on Azure for database management.
- **ClearExam** *Delhi (Capital), INDIA* (Aug 2021-Oct 2021)
  As a Web Developer, I created web pages utilizing HTML, CSS, and JS, alongside Content Writing using Blogger.

Projects

- *Contract Management*
  Design and develop a decentralized application for contract management using blockchain technology and smart contracts
- *Tamper proof event log and Audit*
  Design and develop a tamper-proof event log and audit trail using blockchain, with a user-friendly front-end interface and digital signature verification.
- *Supply chain Management*
  Design, build, and maintain a decentralized supply chain management system using blockchain technology for secure and transparent transactions.
- *Data-Server Monitoring System*
  The project involves creating a configurable data-server monitoring system with UI using PHP, SQL, and PowerShell
- *Meter Reader Tracker*
  The project is a GPS-Enabled mobile navigation system with QR Code integration, using PostgreSQL on Azure as its database.
- *Universal Converter*
  The project is a file format conversion tool with PDF splitting, merging, and encryption features, powered by open-source tools.

Achievements & Research Papers

- **SAILFISH-I: A Lightweight Block Cipher for Cloud-Enabled Fog Devices** *(Published)*
  DOI: 10.1109/CICT56698.2022.9997844
- **IEEE Student Branch Vice-Chair –** Membership No. **99205314**
- **Cyber Awareness Day:** Attended session on understanding the importance of cybersecurity in real-life scenarios.
- **Hyperledger Workshop by Mr. Aditya Joshi:** Attended workshop on practical development of Hyperledger Fabric.

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