

Deepak Kumar Verma

Information Security Postgraduate 2019-21 | IIT Jammu

Currently, Developer Intern at Ericsson. Working with automation tools, Java, Selenium Webdriver, TestNg.

Education

Indian Institute of Technology (IIT), Jammu

Masters of Technology, 2019-21

Computer Science and Engineering with specialization in Data Science

GATE

Graduate Aptitude Test in Engineering, 2019

Computer Science and Information Technology

UP Board-XII

Sr. Secondary, 2009

60%

UP Board-X

High School, 2007

60%

Project-Highlights

Network Design

- WAN Implementation using the different types of routers in the network.
- Developed the network which was able to transfer the packets to another router or Node with minimum loss of the data.
- The developed network is more efficient in terms of time and accuracy of sending packets.
- Used ARP protocol, DHCP, EIGRP protocol. Implemented concepts of Subnetting, CIDR, Vlan.
- Configured all the networks using the above technologies and protocols.

Medicine Library

- Developed the website for searching a medicine in the current stocks of the medical unit.
- Used the MySQL database for storing the medicine data and Developed frontend using HTML, CSS, JavaScript technologies.
- This helped the medical unit to convert its ledgers into digital format. Efficiency to search and enter the medicine data.

Internet Radio-Multicasting-multimedia-over-IP

- The client will send a join request to the server to join the multicast group.
- The server will provide a station list, site info to the client through TCP.
- Whichever station it selects from the station list, it is connected to that station.

- All the stations are sending data, irrespective of a client is connected or not.
- This functionality is incorporated to relate more with real-life situations, e.g TV/radio sends data even though there is no receiver connected.
- Whenever the receiver connects to a particular station, it starts receiving live-streaming videos from that station.
- The receiver can pause, resume, change the station or even terminate at any given time from GUI using thread.

Implementation of Blockchain Technology on the ERP system

Tools-Hyperledger Fabric, Remix IDE, Metamask, Web3.js

- Using the Blockchain Technology in the ERP campus
- Applying blockchain technology in the Feedback system on the ERP campus.
- Whichever station it selects from the station list, it is connected to that station.
- When any student registered their feedback, no one can modify their feedback and it is visible to all.

Skills

Python3, C, C++, Java, HTML5, CSS3, Javascript, Git/Github, CCNA Certification, Windows, Linux

Misc: - Modern Cryptography, Network Setup, etc.

Contact

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