

Mayan Prajapati

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in LinkedIn

CAREER OBJECTIVE

To use my technical knowledge in the area of cybersecurity to give the company the greatest level of security and data privacy while maintaining compliance with all rules and laws. I'm determined to advance in my job and pick up new skills in order to keep up with the latest developments in technology and fashion and to help the company succeed.

PROFESSIONAL EXPERIENCE

Freelance Software Developer (MERN Stack) October 2022 - January 2023

I began freelancing while still a student and encountered numerous issues and challenges as I worked to advance my technical and communication abilities.

- Identified and pitched for potential projects or clients
- Negotiated and agreed on project scope, deadlines, and budgets
- Maintained effective lines of communication and connections with clients
- I took care of billing, invoicing, and payment for the services I rendered.

As a React developer:

- Encountered numerous real-world issues and took lessons from them
- Discovered new techniques to effectively improve speed and optimization, like Memory leaks, Optimized API calls in Redux and making use of Provider class

Web Developer (Intern), Internauts InfoTech

May 2022 - June 2022

Ahmedabad, India

My duties as an intern included:

- To understand the LARAVEL framework
- How to use it most effectively and efficiently
- To construct the front end of the live project the company was working on.

Additionally, as a rookie intern, I have:

- Learned a lot about how IT businesses operate
- Accumulated corporate environment experience
- Improved communication skills when communicating with other employees

Python Developer (Intern), BrainyBeam

May 2023 - June 2023

My duties as an intern included:

- To learn Python and its different modules
- To learn Django alongside to develop websites
- To put my learning into a real-world project like e-commerce website
- To add features in e-commerce website such like payment gateway, 2-factor authentication, customer review on products, etc.

Additionally, as a rookie intern, I have:

- Completed a project in addition to my internship to apply what I had learned.
- Learned how a corporation trains its new hires using technology that they must use quickly
- Also adopted the mindset of learning new things quickly

PROJECTS

CipherTalk, *Chatting Application*

December 2022 – present

Cipher Talk is a secure chat platform that provides end-to-end encryption for all conversations. The scope of the project was to provide the offline communication to student of CHARUSAT through the CHARUSAT campus network.

In this project, my duties as a MERN developer include:

- To evaluate the responses the institution is making to the issue
- To evaluate which cryptography to use based on the project's security requirements
- Making user-friendly GUI and optimised API calls while ensuring that React has no memory leaks
- To make the project structure scalable for further development on android application

At the conclusion of the project, we have found a solution to the problem, gained knowledge, and made observations on how to put that knowledge to use in real-world initiatives.

shoeRP, *An ERP solution to a shoe shop*

July 2022 – November 2022

The primary goals of this project were to provide a footwear store with an ERP solution, a billing system for their clients, stock management, and transaction records.

In this project, my duties as a MERN developer include providing:

- Working with the front-end team to integrate the user interface with the back-end
- Implementing and maintaining the application's database.
- Discussion with back-end guy to optimize the Database
- Staying up-to-date with new technologies and best practices in web development

At the conclusion of the project, we have learned about real-world project, how IT company deal with their customers, and how to negotiate on requirements and contracts.

Cybersecurity Mini-Projects,

Exploratory Projects in Cybersecurity

Aspiring to advance my skills and knowledge in the field of cybersecurity, I undertook a series of mini-projects to gain practical experience across various domains. These projects allowed me to explore different aspects of cybersecurity, including malware creation, ARP spoofing, and keylogger development, among others.

- **Malware Creation:** Developed and analyzed malware variants in a controlled environment to understand their behavior, propagation methods, and potential impact on systems. Implemented defensive strategies to mitigate the risk and acquired insights into malware detection and prevention techniques.
- **ARP Spoofing:** Experimented with Address Resolution Protocol (ARP) spoofing techniques to understand network vulnerabilities and the potential for unauthorized interception of network traffic. Developed tools to demonstrate the implications of ARP spoofing and implemented countermeasures to enhance network security.
- **Keylogger Development:** Designed and implemented a keylogger application to study user behavior and the potential risks associated with keystroke logging. Explored various logging mechanisms, encryption techniques, and methods to mitigate keylogger detection.

Throughout these mini-projects, I utilized a range of technologies, programming languages, frameworks, and tools to effectively implement and analyze the cybersecurity solutions. This included leveraging programming language such as Python, network analysis tools like Wireshark, and security frameworks like Burp Suite.

CERTIFICATES

Cisco Verified Networking Essentials [🔗](#)

Networking proficiency as a network administrator (configuring switches and routers)

Cisco Verified Introduction to Cybersecurity [🔗](#)

Basic Cybersecurity Essentials

Microsoft PL-900 [🔗](#)

Basic understanding of Microsoft Power Platform applications

Cisco Verified Networking Basics [🔗](#)

Basic Networking concepts

Microsoft AZ-900 [🔗](#)

Basic Understanding of Fundamentals of Cloud computing and Azure Environment

SKILLS

Programming Languages

C(basic), C++(Intermediate), Java(basic), PHP(basic), Python(Intermediate)

Web Development

HTML, Bootstrap, Tailwind, JavaScript, React, Node.js, Django, Laravel

Networking

TCP/IP, OSI Model, Subnetting, Routing, Switching

Databases

MySQL, Neo4j, MongoDB

Tools

Kali Linux, Burp Suite, Metasploit, GoBuster, John The Ripper, Nmap, Wireshark, NS3

Cloud Computing (Basic)

Azure, Cloud Data, Cloud Networking, Cloud Security, Cloud Storage, Virtualization

EDUCATION

Charotar University of Science and Technology,

9.25 CGPA B.Tech. Computer Engineering [🔗](#)

2020 - 2024 | Anand, India

Divine Life International School, 12th Board

88.87 %

2019 - 2020 | Ahmedabad, India

Divine Life International School, 10th Board

97.89 %

2017 - 2018 | Ahmedabad, India

LANGUAGES

Gujarati

Full Working Proficiency

English

Highly Proficient in Speaking and Writing

Hindi

Full Working Proficiency