

INFORMATION SECURITY AND NETWORK SECURITY INTERN Amicorp Management

AN INTERNSHIP REPORT

Submitted by,

SYED FAISAL EHSAN - 20211CCS0187

Under the guidance of,

Ms. AMREEN KHANUM D

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING, CYBER SECURITY

At



PRESIDENCY UNIVERSITY

BENGALURU

MAY 2025

PRESIDENCY UNIVERSITY

SCHOOL OF COMPUTER SCIENCE ENGINEERING

CERTIFICATE

This is to certify that the Internship report “**Information Security and Network Security Intern**” being submitted by “**SYED FAISAL EHSAN,**” bearing roll number “**20211CCS0187**” in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a Bonafide work carried out under my supervision.



Ms. Amreen Khanum D
Assistant Professor
PSCS
Presidency University



Dr. ANANDARAJ SP
Professor & HoD
PSCS
Presidency University



Dr. MYDHILI NAIR
Associate Dean School
of CSE
Presidency University



Dr. SAMEERUDDIN KHAN
Pro-Vc School of Engineering
Dean -PSCS / PSIS
Presidency University

PRESIDENCY UNIVERSITY

SCHOOL OF COMPUTER SCIENCE ENGINEERING

DECLARATION

I hereby declare that the work which is being presented in the project report entitled **Information Security and Network Security using CISCO and ZOHO Solutions** in partial fulfillment for the award of Degree of **Bachelor of Technology in Computer Science and Engineering**, is a record of our own investigations carried out under the guidance of **Ms. Amreen Khanum D, Assistant Professor, School of Computer Science and Engineering, Presidency University, Bengaluru.**

I have not submitted the matter presented in this report anywhere for the award of any other Degree.

NAME

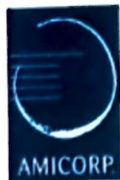
SYED FAISAL EHSAN

ROLL NUMBER

20211CCS0187

SIGNATURE





Address

Amicorp Management India Private Limited
C/O Regus Eversun Business Centre
Ground Floor, E1 Block(Beech), Manyata
Embassy Business Park, Outer Ring Road
Bangalore 560 045
India

Telephone

+91 80 4005 4900

Facsimile

+91 80 4005 4906

E-mail

bangalore@amicorp.com

Web

www.amicorp.com

To Whom So Ever It May Concern,

This is to certify that **Syed Faisal Ehsan** has successfully completed a 3-month internship at Amicorp Management India Private Limited, serving in the capacity of an Information Security and Network Security Intern from 3rd February 2024 to 30th April 2024.

During the tenure of the internship, Faisal demonstrated excellent dedication and professionalism in all assigned responsibilities and actively contributed to various projects within the organization's cybersecurity environment.

Key Responsibilities and Technologies Worked on

The internship involved practical exposure to a wide array of cybersecurity technologies and tools, including but not limited to:

1. Cisco Firewall Management Center (FMC) – Implementing access control policies and firewall configurations
2. Cisco StealthWatch (Secure Network Analytics) – Network traffic monitoring and behavioral anomaly detection
3. Cisco Identity Services Engine (ISE) – Policy-based access control and endpoint compliance enforcement
4. Cisco Email Security Appliance (ESA) – Email threat filtering, anti-phishing, and DLP configurations
5. Splunk – Security Information and Event Management (SIEM) integration and log analytics
6. Nexpose (by Rapid7) – Vulnerability assessment and risk remediation
7. Wireshark & Snort – Packet analysis and network-based intrusion detection
8. Cisco Packet Tracer – Network simulation and topology planning

Faisal also actively participated in red-teaming and blue-teaming exercises, simulated incident response workflows, and applied cybersecurity frameworks including ISO 27001, NIST, and Zero Trust Architecture principles.

We appreciate Faisal's contributions and wish them continued success in future professional endeavors.

Signed by

CCB48B8B27417

Asokan Kunnathully

Head of HR India

For Amicorp Management India Pvt. Ltd.

Authorized Signatory



ACKNOWLEDGEMENT

First of all, we are indebted to the **GOD ALMIGHTY** for giving me an opportunity to excel in our efforts to complete this project on time.

We express our sincere thanks to our respected dean **Dr. Md. Sameeruddin Khan**, Pro- VC, School of Engineering and Dean, School of Computer Science Engineering & Information Science, Presidency University, for getting us permission to undergo the project.

We express our heartfelt gratitude to our beloved Associate Deans **Dr. Mydhili Nair**, School of Computer Science Engineering & Information Science, Presidency University, and **Dr. Anandaraj SP**, Head of the Department, School of Computer Science Engineering & Information Science, Presidency University, for rendering timely help in completing this project successfully.

We are greatly indebted to our guide **Ms. Amreen Khanum D**, Assistant Professor and Reviewer **Dr. Sharmasth Vali Y**, Associate Professor, School of Computer Science Engineering & Information Science, Presidency University for his inspirational guidance, and valuable suggestions and for providing us a chance to express our technical capabilities in every respect for the completion of the project work.

We would like to convey our gratitude and heartfelt thanks to the PIP2001 Capstone Internship Coordinators **Mr. Md Zia Ur Rahman** and **Dr. Sampath A K**, department Project Coordinator **Dr. Sharmasth Vali Y** and Git hub coordinator **Mr. Muthuraj**.

We thank our family and friends for the strong support and inspiration they have provided us with in bringing out this project.

Syed Faisal Ehsan