



Department of Computer Science & Engineering

INTERNSHIP REPORT

Internship-1(5th Sem) –

Data Analytic Process Automation Virtual Internship

(Alteryx by AICTE Eduskills)

Internship-2(6th sem)-

Cyber Security Virtual Internship

(Palo Alton by AICTE Eduskills)

Submitted To -

Mr. Arun Agarwal
Associate. Professor
Dept. of computer science & engineering

Submitted By -

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0905CS201117
4th year, 7th sem.

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AIM OF THE INTERNSHIP

- **Aim of Internship-1 (Alteryx):**

The primary goal of this internship is to engage participants in the realm of data analytics process automation using Alteryx technology. Interns will collaborate with experienced professionals to comprehend, analyze, and optimize business processes through the application of Alteryx automation solutions. Through hands-on experience, interns will develop expertise in utilizing Alteryx technology to visualize, monitor, and improve operational workflows. The objective is to foster a profound understanding of data analytics process automation methodologies, enhance data analysis skills, and contribute to the ongoing enhancement of business processes by harnessing the capabilities of Alteryx technology.

- **Aim of Internship-2 (Palo Alto):**

The primary goal of this internship is to provide participants with a comprehensive understanding of cybersecurity principles and practices within the dynamic landscape of Palo Alto Networks. Interns will actively engage in real-world cybersecurity challenges, working alongside experienced professionals to strengthen their knowledge of threat detection, vulnerability assessment, and incident response. The aim is to equip interns with practical skills in implementing and managing cybersecurity solutions, leveraging Palo Alto Networks technologies. Throughout the internship, participants will contribute to the ongoing mission of safeguarding digital assets and networks from evolving cyber threats, while gaining valuable insights into the broader field of cyber security.

ACKNOWLEDGEMENT

First, I would like to thank AICTE, Eduskill Foundations for giving me the opportunity to do an internship within the organizations of Alteryx and Palo Alto.

I would like to thank Ms. Tania Das, Assistant Director - Training, Institute of Technology & Management, Gwalior for their support and advices to get and complete internship in above said organization.

I am extremely great full to my department staff members and friends who helped me in successful completion of this internship. With great pleasure, I would like to extend my sincere gratitude and thanks to my parents for their sincere support they have given me.

DECLARATION

I, Nishant Shrivastava, declare that this internship report on "Data analytic process automation internship by Alteryx "and "Cyber security Virtual Internship by Palo Alto" is my own work. The information provided is accurate and reflects my personal experiences during the internship. Any external sources used are appropriately cited. I understand and adhere to academic and ethical standards, ensuring the originality of this report. This work has not been submitted elsewhere, and I take full responsibility for its content.

Nishant Shrivastava0905CS201117

CERTIFICATE

Certificate-1:

**N·E·A·T**
प्रौद्योगिकी के लिए राष्ट्रीय शैक्षणिक सहयोग
National Educational Alliance for Technology

**AICTE**
अखिल भारतीय तकनीकी शिक्षा परिषद
All India Council for Technical Education

**EduSkills**
Nation Building Through Skills



Certificate of Virtual Internship

This is to certify that

Nishant Shrivastava

Institute of Technology & Management, Gwalior

has successfully completed 10 weeks

Data Analytics Process Automation Virtual Internship

During September - November 2023

Supported By 


Olivia Duane-Adams
Chief Advocacy Officer (CAO)
Alteryx


Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE


Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills

Certificate ID :bc68d261809f356da6965a4ed6169bf
Student ID :STU63970c88b640d1670843531www.eduskillsfoundation.org

Certificate-2



HARDWARE & SOFTWARE REQUIREMENTS

- **Hardware Requirements: -**

Any Laptop/PC with following requirements: -

Name Of the Component	Requirement
Processor	Pentium IV 2GHz or above
RAM	4 GB or above
Monitor	VGA Color Monitor

- **Software Requirements: -**

Operating System – Windows

Software Used – Google chrome

ABOUT INTERNSHIP

- **About Internship-1 (Alteryx):**

This internship delves into the exploration of business processes utilizing Alteryx software. Through hands-on simulations based on real-world scenarios, participants develop proficiency in deciphering digital data, pinpointing operational inefficiencies, and graphically representing workflows. This program equips individuals with practical skills in leveraging data-driven insights for process optimization, refining their analytical capabilities, and augmenting their comprehension of business operations. The internship provides a dynamic environment to apply theoretical knowledge, cultivating a deeper understanding of process optimization in accordance with industry standards in the realm of data analytics process automation.

- **About of Internship-2 (Palo Alto):**

Cyber security is a rapidly evolving field that requires continuous learning and adaptability. Through practical applications, such as vulnerability assessments and penetration testing, cybersecurity professionals can enhance their security. This internship provides a comprehensive understanding of encryption methodologies, firewall configurations, and incident response protocols. Collaboration on team-based projects allows for proactive security strategies and vigilance in responding to evolving threats. This immersive experience not only solidifies technical competencies but also fosters a commitment to continuous learning and vigilance in the ever-evolving cyber security landscape

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CONCLUSION

- **Internship-1 (Alteryx)**

In essence, the Alteryx internship hones skills in analyzing and optimizing business processes using specialized software. Participants learn data collection, problem spotting, and solution suggestion. Through hands-on experiences, the program imparts practical insights into improving workflows across industries. By the end, interns adeptly use Alteryx tools to identify and resolve operational issues, enhancing overall efficiency—a valuable skill set for improving company operations.

- **Internship-2 (Palo Alto)**

In conclusion, the internship provided valuable learning experiences, offering new skills, knowledge, and insights into professional practices. Understanding the importance of balanced education and diverse perspectives emerged as a key lesson, along with identifying personal strengths and areas for improvement. Enhancing language proficiency for better project contribution is a highlighted goal. Ultimately, the internship ignited a newfound motivation to pursue a career in the IT sector, providing fresh insights and guiding future professional aspirations.

REFERENCE

- **Intership-1 (Alteryx):**

1. <https://community.alteryx.com/t5/user/viewprofilepage/user-id/502995>
2. <https://community.alteryx.com/t5/Certification-Exams/bd-p/product-certification>

- **Internship-2 (Palo Alto):**

1. <https://paloaltonetworks.hosted.panopto.com/Panopto/Pages/Embed.aspx?id=65689e11-0365-4c82-9d0d-adc601594508>
2. <https://jobs.paloaltonetworks.com/en/blog/early-talent/a-virtual-internship-with-real-benefits/>