

ShreeYantra College
Tribhuvan University
Institute of Science and Technology



A Final Year Internship Report on
“Data Science”

At
Dlytica Academy Pvt. Ltd

In Partial Fulfilment of Requirements for the Bachelor Degree in Computer Science and
Information Technology

Under the supervision of

Mr. Bishal Shrestha

Submitted to:
Institute of Science and Technology
Shreeyantra College
Damak, Jhapa, Nepal

Submitted by:
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Date

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Shree Yantra College

Tribhuvan University

Institute of Science and Technology



SUPERVISOR'S RECOMMENDATION

I hereby recommend that the internship report titled “**Data Science**”, submitted by **Sujan Mishra** and carried out under my supervision, meets the partial fulfillment requirements for the degree of **Bachelor of Science in Computer Science and Information Technology (BSc CSIT)**. I recommend that this report be forwarded for evaluation.

.....

Mr. Bishal Shrestha

Supervisor

Shreeyantra College



Tribhuvan University
Institute of Science and Technology
Shreeyantra College

LETTER OF APPROVAL

This is to certify that this internship report is prepared by Sujan Mishra in partial fulfilment of the requirements for the degree of Bachelor of Science in Computer Science and Information Technology (BSc.CSIT) has been evaluated. In my opinion it is satisfactory in the scope and quality as a project for the required degree.

<p>.....</p> <p>Supervisor Bishal Shrestha</p>	<p>.....</p> <p>HOD/ Coordinator Bishal Shrestha</p>
<p>.....</p> <p>Mentor Bidya Pokhrel Dlytica Academy Pvt. Ltd</p>	<p>.....</p> <p>External Examiner</p>

ACKNOWLEDGEMENT

I would like to take this opportunity to sincerely thank everyone who supported me during my internship journey. This experience would not have been possible without the help and guidance of many individuals and institutions.

First of all, I am thankful to Shreeyantra College for giving me the opportunity to be part of this internship program and for providing the support and facilities needed to complete my report.

I am very grateful to my supervisor, **Mr. Bishal Shrestha**, for his valuable guidance, support, and encouragement throughout my internship. His suggestions and motivation helped me stay focused and complete my tasks successfully.

I would also like to thank my mentor, **Mrs. Bidhya Pokhrel**, for helping me with technical knowledge and advice. His support made my learning experience much better.

A big thank you goes to my team at **Dlytica Academy Pvt. Ltd.** for being friendly and supportive. They helped me improve my skills and feel comfortable in a real work environment.

Finally, I would like to thank my friends who stood by me and helped me in many ways during this journey.

Yours sincerely,

Sujan Mishra

ABSTRACT

This report outlines my internship experience at DLytica Academy, where i had the opportunity to begin my journey into the field of Data Science. The internship served as a foundational step ,allowing me to connect theoretical concepts from my unfergradurate studies with their real-world applications. Throughout the internship, I worked on developing a basic machine learning model using standard tools and techniques,which helped me understand how data-driven solutions are built in practice.

The project involved using Python along with essential libraries such as pandas,Numpy, Scikit-learn, and matplotlib and integrating a PostgresSQL database for handling structured data. Also applied SQL to query datasets effectively and explored fundamental machine learning algorithms,including linear regression and decision trees.With guidance from my supervisor ,Mr.Bishal Shrestha , I was able to gradually improve my ability to design and interpret machine learning models ,even as a beginner in the field.

The internship took place from March-2,2025 to May-11,2025 and provided a supportive and enriching learning enivornment. It allowed me to improve in technical areas such as coding and data handling also in practical aspects like understanding the workflow with professional settings, and working with the professonals mentors and enthusiastic team.

Overall, the internship at DLytica Academy was a rewarding and insightful experience. It gave me a solid foundation in data science and machine learning ., boosted my confidence in applying theoretical knowledge practically, and set the tone for my future growth in this rapidly evolving field.

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LIST OF ABBREVIATIONS

ML	Machine Learning
SQL	Structured Query Language
AI	Artificial Integlligence
DS	Data Science
IDE	Integrated Development Environment
DB	Database
CSV	Comma Seperated Values
ETL	Extract, Transform,Load