

Guru Nanak Dev Engineering College, Ludhiana
Department of Information Technology

Weekly Progress Report
Six Month Industrial Training (TR-104)
Session - Aug-Dec 2023

Name of Student: Amay Avasthi

University Roll No: 2004888

Name of the Industry/Company: Sabudh Foundation

Name of the Industry Guide: Mr Vishal

Designation of the Guide: Data Scientist

Summary of Work Done during the Training till 7th Sep 2023

I am doing my internship at Sabudh Foundation from 10 August and learnt a lot from there. First there was a basic python course which continued for three weeks alongside DSA(Data Structures and Algorithms). Here we learned about how to install, run and command python with the use of OOPS, Built in functions, libraries and many more. In DSA we learned about time complexities, searching algorithms, arrays. For the same many assignments were given and a test was conducted on 31st August.

On 22nd August we were allotted a project of Document Analysis Using LLM where we worked on many things like cross validation, confusion matrix, ROC, AUC, Entropy, Mutual Information, Logistic Regression, Linear Regression, Lasso Regression, Ridge Regression, along with clustering like K-means, hierarchical clustering, With dbscan and t-test. We also got a data set on which we need to perform basic EDA operations. There is a weekly meeting where we discuss the progress of our task.

Introduction to Data Science was also introduced in which we learnt about programming and math behind data science, data visualization, cleaning, extraction and various learning like supervised, unsupervised, regression like linear and logistic. We have done model evaluation, hypothesis and NLP basics. Test for the same is on 25th September.

Side by side we are doing Dataiku certification from Dataiku Academy which is an application which is used by Data Professionals. There are 4 certifications we have to complete out of which 3 have been completed.

Classes of Advanced python have been initiated from 4th September where we are going to learn advanced coding skills in python.

Amay Avasthi

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