Intern At

Invarsys Consultancy Private Limited

Daily Diary Report

Submitted for the partial fulfilment of the degree of

Bachelor of Technology

In

Computer Science & Engineering

Submitted By

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UNDER THE SUPERVISION AND GUIDANCE OF

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माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
(Deemed to be University)
NAAC ACCREDITED WITH A++ GRADE

January-May 2025

Week - 1

Date	Name of the topic/module completed
02/01/2025	Welcome Session, Interaction with Vikas Parikh,
03/01/2025	About Company, Learning journey,

Week - 2

Date	Name of the topic/module completed
07/01/2025	Orientation and introduction to the team
08/01/2025	Overview of company policies and procedures
09/01/2025	Introduction to the data analytics project
10/01/2025	Learning offerings, platforms

Week - 3

Date	Name of topic/module completed
13/01/2025	Familiarization with the dataset
15/01/2025	Initial data cleaning and preprocessing
16/01/2025	Meeting with the project supervisor to discuss project goals
17/01/2025	Assessment Day

Week - 4

Date	Name of topic/module completed
20/01/2025	Exploratory Data Analysis (EDA)
21/01/2025	Identifying key variables and trends
22//01/2025	Documenting initial findings
23/01/2025	KT on AI, ML, Big data
24/01/2025	Assessment Day

Week - 5

Date	Name of topic/module completed
27/01/2025 - 28/01/2025	Learning and applying data visualization techniques Creating basic charts and graphs Team meeting to discuss progress
29/01/2025 – 30/01/2025	Continuing EDA Identifying outliers and anomalies
31/01/2025	Preparing a summary report of the week's findings

Week - 6

Date	Name of topic/module completed
03/02/2025 - 05/02/2025	Advanced data cleaning techniques Handling missing values and data inconsistencies Meeting with the project supervisor for feedback
06/02/2025 - 07/02/2025	Introduction to statistical analysis Applying basic statistical tests Documenting results and insights

Week - 7

Date	Name of topic/module completed
10/02/2025 - 11/02/2025	Learning about machine learning algorithms Implementing a simple regression model Evaluating model performance
13/02/2025	Feature engineering and selection Improving model accuracy Team meeting to discuss model improvements
14/02/2025	Preparing a presentation of the week's work Presenting findings to the team Receiving feedback and planning for next week

Week – 8

Date	Name of topic/module completed
17/02/2025	Introduction to advanced machine learning techniques

18/02/2025	Implementing classification algorithms Evaluating model performance
20/02/2025	Hyperparameter tuning Improving model accuracy
21/02/2025	Documenting the process and results

Week – 9

Date	Name of topic/module completed
24/02/2025 - 25/02/2025	Learning about data pipelines Automating data preprocessing and model training
27/02/2025	Implementing data pipelines Testing and debugging the pipeline
28/02/2025	Preparing a summary report of the week's work

Week – 10

Date	Name of topic/module completed
03/03/2025 - 04/03/2025	Preparing a presentation of the week's work Presenting findings to the team
05/03/2025	Receiving feedback and planning for next week
06/03/2025	Introduction to big data technologies Learning about Hadoop and Spark
07/03/2025	Setting up a big data environment

Week - 11

Date	Name of topic/module completed
10/03/2025	Processing large datasets using Spark Implementing distributed data processing
11/03/2025	Documenting the process and results
12/03/2025	Learning about data storage solutions Implementing a data storage strategy
13/03/2025	Integrating data storage with data pipelines Testing and debugging the integration Preparing a summary report for the week's work

Week - 12

Date	Name of topic/module completed
17/03/2025	Advanced data analysis using Python (NumPy, Pandas)
18/03/2025	Implementing clustering algorithms (e.g., K-Means)
19/03/2025 -20/03/2025	Evaluating clustering results
21/03/2025	Learning about deep learning using Python (TensorFlow, Keras)

Week - 13

Date	Name of topic/module completed
24/03/2025	Implementing neural networks Evaluating model performance
25/03/2025	Real-time data processing using Python (Kafka, Spark Streaming)
26/04/2025	Setting up real-time data pipelines Documenting the process and results
27/03/2025	Documenting the process and results

Week - 14

Date	Name of topic/module completed
01/04/2025 - 02/04/2025	Machine learning model deployment using Python (Flask, Docker) Creating APIs for model deployment Testing and debugging deployed models
03/04/2025 - 04/04/2025	Integrating deployed models with real-time data pipelines Monitoring model performance in real-time

Week – 15

Date	Name of topic/module completed
07/04/2025	Preparing a summary report of the week's work
08/04/2025 -09/04/2025	Preparing final project presentation Creating slides and visual aids
11/04/2025	Rehearsing presentation

Week – 16

Date	Name of topic/module completed
07/04/2025	Preparing a summary report of the week's work
08/04/2025 -09/04/2025	Preparing final project presentation Creating slides and visual aids
11/04/2025	Rehearsing presentation

Week – 17

Date	Name of topic/module completed
15/04/2025	Presenting final project to the team and stakeholders
16/04/2025	Receiving feedback and making necessary adjustments
17/04/2025	Documenting the final project

Week – 18

Date	Name of topic/module completed
21/04/2025	Reflecting on the internship experience
22/04/2025	Writing a comprehensive report on skills learned and projects completed
23/04/2025 – 25/04/2025	Receiving feedback

Week – 19

Date	Name of topic/module completed
28/04/2025	Preparing for final submission to college
29/04/2025 -30/04/2025	Farewell