## STUDENT DAILY DIARY / DAILY LOG(IAP-105)

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| Date | 02/06/23 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Installed Anaconda, set up Python environment, explored Jupyter Notebook, revised Python basics, prepared for data science journey. | | | | | |

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| Date | 3/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Delved into NumPy—learned arrays, indexing—for numerical computing, a foundational step toward data manipulation and efficient computations in Python. | | | | | |

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| Date | 4/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Explored Pandas—Series, DataFrames—for data manipulation, handling missing values, and efficient data preprocessing, crucial for ML data preparation. | | | | | |

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| Date | 5/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Explored Matplotlib for data visualization—plot types, customization—to represent data effectively for analysis, a vital skill for insightful data interpretation in ML. | | | | | |

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| Date | 6/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Revised statistics—mean, median, standard deviation—essential concepts for understanding data distributions, foundational for advanced data analysis in ML. | | | | | |

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| Date | 7/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Focused on data cleaning—handling outliers, duplicates—to ensure robust datasets, setting the stage for accurate model building and predictions in ML. | | | | | |

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| Date | 8/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Studied data transformation—normalization, standardization—crucial techniques for preparing data for ML models, enhancing model convergence and performance. | | | | | |

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| Date | 11/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Explored placement dataset features, outlined project plan for campaign success prediction, initial data exploration, and brainstorming on model approaches. | | | | | |

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| Date | 17/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Conducted initial EDA, visualized data distributions, identified key variables, and outlined preprocessing steps crucial for the project's dataset preparation. | | | | | |

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| Date | 18/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Engineered features, handled missing data, and prepared the dataset for baseline ML model implementation, ensuring data readiness for analysis. | | | | | |

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| Date | 24/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Implemented baseline ML models—logistic regression, decision trees—for initial campaign success prediction, and evaluated their initial performance. | | | | | |

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| Date | 25/6/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Evaluated models' performance using accuracy, precision, recall, and F1-score metrics, gaining insights into model strengths and weaknesses for improvements. | | | | | |

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| Date | 1/7/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Explored ensemble methods—Random Forest, Gradient Boosting—for improved predictive accuracy and fine-tuned hyperparameters for better model performance. | | | | | |

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| Date | 2/7/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Integrated advanced ML models, fine-tuned hyperparameters, and compared their performance against baseline models, seeking higher predictive accuracy. | | | | | |

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| Date | 8/7/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Studied time-series analysis basics—stationarity, trends—crucial for understanding temporal patterns in campaign success prediction data. | | | | | |

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| Date | 9/7/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Applied time-series models—ARIMA, Prophet—for forecasting campaign trends over time, understanding temporal variations in marketing campaigns. | | | | | |

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| Date | 15/7/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Integrated time-series predictions with ML models, aiming for improved accuracy by leveraging both time-series and conventional ML predictions. | | | | | |

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| Date | 16/7/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Tested the hybrid model, assessed combined predictions' impact on campaign success, and refined the model for higher accuracy and reliability. | | | | | |

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| Date | 21/7/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Finalized the project report, crafted impactful visualizations, and prepared presentation materials for effectively communicating project findings. | | | | | |

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| Date | 22/7/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Wrapped up the project, ensured all components aligned with objectives, refined documentation, and prepared for the final submission. | | | | | |

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| Date | 5/8/2023 | Time of arrival | 4:30pm | Time of Departure | 6:30pm |
| Dept. /Division | IT-3 | Project Title | “Envisioning Success:  Predictive Modeling for Campus Recruitment Prediction and Analysis” | | |
| Main points of the day (Include Figures. If any) | | | | | |
| Completed final checks, validated project coherence, and confidently submitted the comprehensive work on forecasting bank marketing campaign success. | | | | | |