

MANPREET SINGH

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Internship

May Intern

May 2020 - July 2020

TATA STEEL, Data Analyst Intern

- Identified and resolved data inconsistencies and anomalies through meticulous data cleaning and manipulation techniques using Microsoft Excel and SQL, ensuring data integrity and accuracy.
- Performed exploratory data analysis to identify patterns and trends, leading to actionable insights.
- Utilized Tableau to create visually appealing and interactive dashboards for data visualization.

Projects

Predicting Heart Disease | Python3, Random Forest Algorithm, Ensemble Learning

July 2023 - Aug 2023

- Developed a classification model using Random Forest and Decision Tree algorithms to predict presence (0) or absence of heart disease (1).
- Achieved a high accuracy score of 91.11% on the test set using the Random Forest model, outperforming the Decision Tree model (77.78% accuracy).

Image Classification with Deep Learning | Python3, CNN, Scikit-learn, tensorflow

Feb 2021 - March 2023

- Utilized Python and Py-Torch libraries to pre-process and classify a dataset of 100+ labeled images of individuals with and without glasses.
- Developed and trained convolutional neural network (CNN) models, achieving **98% accuracy**; optimized hyper parameters to improve performance.

Certificates

- | | |
|--|----------------|
| Python Basics | MAY 2020 |
| Google Data Analytics (8/8) | OCTOBER 2022 |
| Skillovilla Data Science | JULY 2023 |
| IBM Cognitive Class Data visualization with Python | SEPTEMBER 2024 |

Technical Skills

Languages C/C++, Java, Python, SQL

Technologies/Frameworks: Tableau, IBM Cognos, GitHub, Scikit-learn, Matplotlib, Seaborn, keras, Tensor

Skills: Data Structures and Algorithms, Problem-Solving, Team Player, Project Management, Adaptability

Education

M.I.T. – W.P.U.

2018 – 2021

B.Sc. Computer Science — CGPA: 8.52

Pune, Maharashtra

St. Mary's English High School

2016 – 2017

12th with Science — Percentage: 77.60%

Jamshedpur, Jharkhand

St. Mary's English High School

2013 – 2014

10th with Science — CGPA: 6.6

Jamshedpur, Jharkhand