

Manpreet Singh

Linkedin: www.linkedin.com/in/manpreetsingh1996

Github: <https://github.com/Manpreetjatal>

Email: singh.manpreet054@gmail.com

Mobile: +91-7004602294

SKILLS

- **Languages:** C/C++, Java, Python, SQL
- **Tools/Platforms:** MySQL, Scikit-Learn, Matplotlib, Numpy, Pandas, Seaborn, TensorFlow, Keras
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

INTERNSHIP

TATA STEEL

May 2020 to June 2020

Data Analyst Intern

- **About:** 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.
- **Tech stacks used:** MS Office, Tableau, MySQL

PROJECTS

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

- 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:

- 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

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| • Python Basics | 15/05/2020 |
| • Google Data Analytics (8/8) | 26/09/2022 |
| • Skillovilla Data Science | 10/07/2023 |
| • IBM Cognitive Class Data visualization with Python | 29/09/2024 |

ACHIEVEMENTS

- **Jamshedpur Youth Organization For Tomorrow's India (2009 - 2015):**
 - Organized 'Xibio – 2014' as a member of the core committee of JYOTI.
 - Directed and managed teams during various inter school events and fest.
- **People Evolution Federation (PEF):**
 - Managed logistics and volunteer coordination for a COVID-19 food relief initiative, feeding more than 1000 people.
- **Secured top 10 ranked in the Hackathon : GeekForGeeks:**
 - Participated and ranked top 10 in the Hackathon organized by GeekForGeeks by AIESEC

EDUCATION

- | | |
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| • M.I.T-W.P.U.
<i>B.Sc. Computer Science CGPA: 8.52</i> | Pune, Maharashtra
April 2018- Sept. 2021 |
| • St. Mary's English High School
<i>Intermediate; Percentage: 77.6%</i> | Jamshedpur, Jharkhand
April 2016 - March 2017 |
| • St. Mary's English High School
<i>Matriculation; CGPA: 6.6</i> | Jamshedpur, Jharkhand
April 2013 - March 2014 |