



# Manmeet Singh

## Data Scientist

With solid technical skills, I'm pursuing an entry-level data science role. I have experience in report creation, analyzing intricate datasets, and developing models in Generative AI, Machine Learning, Deep Learning, Natural Language Processing, and Computer Vision. My curiosity motivates me to learn and apply new AI concepts consistently.

### EXPERIENCE

Data Science Intern  
Revoquant AI

June 2023 - Present  
Gurugram, Haryana, India On-site

### Education

**B.Tech in IT** (2021-2025)

Guru Tegh Bahadur Institute of Technology

**12th class** Percentage: 89.9%

SGTB Khalsa Boys Sr. Sec. School, Dev  
Nagar, New Delhi (2020-2021)

**10th class** Percentage: 86%

SGTB Khalsa Boys Sr. Sec. School, Dev  
Nagar, New Delhi (2018-2019)

### Certificates

- **Machine Learning (A-Z Course) Python**  
Udemy, July 2022
- **Deep Learning Python**  
Udemy, August 2022
- **Modern Computer Vision PyTorch, TensorFlow2, Keras, OpenCV4**  
Udemy, December 2022
- **Deployment of ML Models**  
Udemy, March 2023
- **C++ Programming**  
Udemy, October 2022
- **Data Structures & Algorithms**  
Udemy, September 2022
- **Full Stack Web Development**  
Udemy, March 2023
- **Java Programming Language**  
Udemy, Jun 2023

### Contact

#### Phone

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#### Email

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#### Personal Portfolio

<https://manmeet75.github.io/Portfolio/>

#### GitHub

<https://github.com/MANMEET75>

#### LinkedIn

<https://www.linkedin.com/in/manmeet-singh-085a35229/>

### ○ INFRARED

- Created a solution by leveraging Hugging Face's libraries and OpenAI's Language Model (LLM).
- Applied fine-tuning with a transformer architecture on a tailored dataset using QLoRA, enhancing its performance for the designated tasks.
- Deployed the solution using Flask on an AWS EC2-ECR instance with Docker, and established CI/CD pipelines through GitHub actions.

### Interactive Chatbot Interface: InfraBot

- Devised a thorough data collection strategy for the chatbot and crafted the dataset using ChatGPT, implementing prompt engineering techniques.
- Developed a chatbot interface utilizing the text-davinci-003 and LLaMa2 models.
- Developed a user interface utilizing HTML, CSS, Bootstrap, and JavaScript.

### Chat with PDF and Excel Data using LLM

- Integrated OpenAI's GPT-3.5 and Hugging Face's (google/flan-t5-xxl) models for extracting information from unstructured documents like PDFs and Excel data using prompts.

### Video-to-Text Transcription with OpenAI Whisper Model

- Employed OpenAI's Whisper for precise transcription of audio content from videos, and leveraged pytube to directly retrieve videos and audios from YouTube.

### Anomaly Detection using Unsupervised Machine Learning

- Executed anomaly detection by implementing Isolation Forest, Local Outlier Factor, and other unsupervised algorithms.
- Utilized Seaborn, Matplotlib, and Plotly for visualization, pinpointing irregular patterns and potential fraud in financial and sales data.

### ○ INVENTORY DETECTION

- Developed a smart fix using YOLOV8 to help Coca-Cola tally non-Coca-Cola products in their fridges and to check and verify the accuracy of their inventory.

### PERSONAL PROJECTS

#### ○ TimeAhead | Python | ML | Regression

Executed real-world Amazon Business Research Analyst project, predicting order delivery time. Set up Research, Development, and Production environments. In Research, gathered/cleaned Kaggle data, performed EDA, feature engineering, model building, and optimization. In Dev, modularized code and built a Flask-based web app. In Production, deployed model via Amazon Elastic Beanstalk and established a continuous delivery pipeline. [ProjectLink](#)

#### ○ FashionFinderMyntra | Python | ML | Recommendation System

Built ML-driven content recommendation for Myntra's women's fashion. Offers personalized suggestions and an interface mirroring Myntra's site. Preprocessed data by handling HTML, creating streamlined features. Used CountVectorizer for word frequencies, cosine similarity for document matching. Flask-based web app for user engagement and deployed the system using AWS EC2-ECR instance using CI/CD pipelines using GitHub Actions [ProjectLink](#)

#### ○ Awesome Portfolio Website | Web Designing & Development

An open-source project which provides a free full-fledged portfolio website. I worked on the front End of the project using HTML5, CSS3, JS(Vanilla), jQuery and Bootstrap. Additionally, I leveraged Adobe Photoshop and Canva to enhance the interactivity of my website portfolio. [ProjectLink](#)

## ACHIEVEMENTS

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- Worked As a team Leader in hackathons
- Solved 90+ problems on LeetCode
- Secured 5-stars in C++, Python  
<https://www.hackerrank.com/samanmeet85>

## Languages

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- English
- Hindi
- Punjabi

## Soft Skills

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- Innovative
- Communication
- Fast Learner
- Problem Solver
- Leadership

## TECHNICAL STACK

### ○ Data Science | Machine Learning | Deep Learning | Natural Language Processing | Computer Vision | Time Series Analysis

Python, OpenAI, Generative AI, Hugging Face, Data Visualization, Supervised Learning and Unsupervised Learning, Predictive Modeling, Bagging and boosting, Linear and Logistic Regression, CNN, RNN EDA, Feature Engineering, Feature Selection & extraction, Hyperparameter optimization. OpenCV, Object Detection, Object Classification, Object Segmentation

### ○ Mathematics for ML & DL

Algebra, Probability, Statistics, Calculus, Matrices

### ○ Frameworks and Python Packages

LangChain, NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Tensorflow, PyTorch, Keras, Feature engine, Category Encoders, nltk , Web Scraping, Streamlit, Flask

### ○ Web Development

HTML5, CSS3, Bootstrap, Javascript, JQuery, NodeJs, ExpressJs, ReactJs

### ○ Programming Languages

Python, C/C++, Java, HTML, CSS, Javascript, SQL

### ○ Databases

MySQL, MongoDB

### ○ Tools

Tableau, Git, Canva, Excel, Adobe-Photoshop

### ○ Cloud Deployment

AWS elastic beanstalk, AWS EC2-ECR, GCP, Azure, Heruko, Railway.app, Github pages, netlify