

Harshit Mittal

I am an **AI Engineer** with a strong foundation in Machine Learning, Deep Learning, Natural Language Processing and integrating Gen AI to solve real world problems.

Email: mittalharshit405@gmail.com
Portfolio: [linkedin.com/in/harshit405](https://www.linkedin.com/in/harshit405)
Coding Profile: <https://shorturl.at/d4f0J>
Mobile: +917877512055

EDUCATION AND SCHOLASTIC ACHIEVEMENTS

Indian Institute of Technology Guwahati

India

PG in Artificial Intelligence and Machine Learning

June 2025 - May 2026

Vellore Institute of Technology

India

B. Tech Computer Science and Engineering with specialization in AI and ML; GPA: 7.71/10

Aug 2021 – Apr 2025

D.A.V Public School, Kota

Rajasthan, India

XII Standard Grade: 84%

Mar 2020 – Apr 2021

D.A.V Public School, Kota

Rajasthan, India

X Standard Grade: 91%

Mar 2018 – Apr 2019

- Secured NTA Score 94+%tile in JEE Main out of **1.2 million** candidates and Qualified for JEE Advanced
- Secured 172/200 Marks in **NTSE, Govt. of India**
- Completed Certification Course in **Generative AI with Langchain and Hugging Face** by Udemy

WORK EXPERIENCE

J.P. Morgan Chase & Co.

Virtual Experience at Forage

- Fixed broken files in the repository to make web application output correctly.
- Deployed a real-time data graph leveraging JPMorgan Chase's Perspective library, streamlining data accessibility for the entire analytics team and decreasing the time spent preparing reports by 2 hours per week.

Goldman Sachs

Virtual Experience at Forage

- Completed a job simulation as a Goldman Sachs governance analyst responsible for assessing IT security and suggesting improvement.
- Wrote a memo to my supervisor summarizing a range of proposed uplifts to increase the company's level of password protection including extending minimum password length and using a dedicated hashing algorithm.

KEY PROJECTS

Global Refugee Data Analysis | (Python, Pandas, NumPy, Plotly)

Jan '25 – Mar '25

Personal Project

- Conducted an in-depth analysis of over 1 M refugee records from the UNHCR dataset to uncover migration trends, assess host country capacities, and identify origin patterns. Created 5+ interactive dashboards for more data accessibility for policymakers.
- Provided actionable insights that contributed to a **20% improvement** in resource allocation strategies for displaced populations also implemented advanced data preprocessing, reducing inconsistencies by **30%**, which lead to accurate trend forecasting.

Customer Churn Prediction | (Python, Tensorflow, Keras, Streamlit)

Oct '24 – Jan '25

Personal Project

- Developed a deep learning-based solution to predict customer churn, enabling businesses to retain customers, reduce revenue loss, and optimize marketing strategies.
- Achieved an **86%** accuracy rate, which streamlined customer retention strategies, targeted marketing efforts, and significantly reduced churn rates.

VoiceGPT | (Python, NLP, OpenAI, Microsoft Azure, Whisper, Langchain)

Aug '24 – Oct '24

Personal Project

- Designed and deployed an effective Generative AI based chat AI model built by Azure Open AI's GPT-4o model architecture.
- Implemented an innovative voice interface with the Whisper model for real-time speech transcription, increasing feature utilization by **150%** and demonstrating a strong shift towards voice-based technology.
- Enabled document processing capabilities, allowing the model to accept and process user documents.

PUBLICATIONS

1. Jagdish Bhatt, **Harshit Mittal**, Divya Agarwal: **Radioactive Element Detection Using LiDAR and Machine Learning: Integrating Spectral Analysis and Spatial Mapping**, under review at *Research Gate journal*, 2025

SKILLS SUMMARY

- **Technical Languages & Subjects** Python, C++, Java, SQL, OOPs, DBMS, OS
- **Machine Learning and AI** PyTorch, TensorFlow, Keras, NumPy, Scikit-Learn, NLTK, Streamlit, Matplotlib, Gensim
- **Software and Frameworks** Git, L^AT_EX, Microsoft Azure, Open AI, Hugging Face, Amazon Bedrock, HTML5, CSS

EXTRACURRICULARS

- AI Trainer and RLHF Trainer at Outlier (Scale AI)
- Obtained an Institutional rank of 609 on GeeksforGeeks