



# ARHAAN GIRDHAR

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## EDUCATION

- Manipal Institute of Technology , Udupi** **2022 – 2026**  
(Expected)  
*B.Tech in Computer Science and Engineering ( AI & ML )*  
*Relevant Courses : Operating Systems , Data Structures , Algorithms , Object Oriented Programming , Artificial Intelligence , Machine Learning , Computer Vision , Deep Learning , Neural Networks , Database Management , Web Development .*
- Delhi Public School Rajnagar , Ghaziabad** **2020 – 2022**  
*STD X & STD XII*

## SKILL SUMMARY

**Languages :** C , C++ , Python , Java , MySQL , PI/SQL

**Libraries :** NumPy , Pandas , Matplotlib , OpenCV , Scikit , Pytorch , Mpi

**Developer Tools :** HTML-5 , CSS-3 , Javascript , JavaFX , Git , AWS , Docker , MATLAB , Jupyter Notebook

**Frameworks :** Tailwind CSS , ReactJS , NodeJS , Flask , Bootstrap , jQuery , Django

## WORK EXPERIENCE

- Project Lead | Buildspace** **Jun 2024 – Sept 2024**  
Buildspace is an online platform for developers to create real-world projects and enhance their skills. It led to the creation of TherapAI, an advanced AI chatbot designed for online therapy sessions.
- Internship Trainee | Bharat Electronics Limited** **Jun 2024 – Jul 2024**  
BEL is a government defense company focused on advanced systems for defense and civilian sectors. In the DCCS division, I work on JavaFX user interfaces and manage virtual machines for digital communications and cybersecurity projects.
- Frontend Developer | Invisible Mechanics** **Jan 2024 – Mar 2024**  
IM is an online teaching platform for JEE aspirants, providing hybrid learning to boost student performance. As a frontend developer, I created a user-friendly website with a modern UI and responsive design for optimal viewing across devices.

## PROJECTS

- J.A.R.V.I.S | Think-a-thon** **Jan 2025 – Mar 2025**  
J.A.R.V.I.S (Just A Reality Versatile Interactive System) is an RL assistant that supports 20+ languages, offers speech and visual assistance featuring YOLOv8 object detection, CNN-based face authentication for up to 4 users, and 24/7 task automation to enhance productivity.
- Sentiment Analysis | Manipal Institute of Technology** **Sept 2024 – Oct 2024**  
Designed a real-time news and trend analysis pipeline integrating 3 major data sources (NewsAPI, GDELT, Wikipedia) to process 1M+ articles daily. Implemented Kafka-based streaming for real-time insights while optimizing execution to maintain a 5-second response time.
- TherapAI | Buildspace** **Jun 2024 – Sept 2024**  
Developed an AI therapist using advanced natural language processing , achieving 90% accuracy in sentiment analysis and supporting over 1,000 personalized , empathetic conversations to provide a scalable, accessible alternative to traditional therapy.

## ACHIEVEMENTS AND CERTIFICATIONS

- Achieved a ranking of 171 in the MET.
- Successfully completed courses in GenerativeAI , MachineLearning and Deeplearning.
- Portfolio Website - [arhaanportfolio.in](https://arhaanportfolio.in) | References - [References](#)
- Led teams in Hacksplosion , Think-a-thon , and CreaTech.