



# ARHAAN GIRDHAR

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## EDUCATION

- Manipal Institute of Technology , Manipal** **2022 – 2026**  
*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, Javascript, MySQL, PostgreSQL

**Libraries :** NumPy, Pandas, Matplotlib, OpenCV, Scikit, SciPy, Pytorch, OpenMpi, Pytorch

**Developer Tools :** HTML-5, CSS-3, 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**  
I led a 5-member team in developing TherapAI, an advanced AI chatbot designed for online therapy sessions. By implementing agile workflows, I boosted the chatbot's response accuracy by 40% while reducing its response time by 50% and consistently surpassing our sprint efficiency targets by 30%.
- Internship Trainee | Bharat Electronics Limited** **Jun 2024 – Jul 2024**  
During my internship, I developed over five JavaFX interfaces, which improved project efficiency by 25% in cybersecurity initiatives. I managed more than 20 virtual machines, ensuring a 99.9% system uptime for critical operations and cutting manual processing time by 35% enhancing overall system reliability.
- Frontend Developer | Invisible Mechanics** **Jan 2024 – Mar 2024**  
As a Frontend Developer, I engineered and deployed a reactive website that increased user engagement by 45%. By collaborating with backend teams to optimize performance, I maintained a 98% on-time delivery rate and significantly enhanced the user experience.

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