



# ARHAAN GIRDHAR

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## EDUCATION

- Manipal Institute of Technology, Manipal** **2022 - 2026**  
*B.Tech in Computer Science and Engineering ( AI & ML )* (Expected)  
*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, Azure

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

## WORK EXPERIENCE

- Project Lead** | Buildspace **Jun 2024 - Sept 2024**
  - Led a 5-member team to develop an advanced AI chatbot for online therapy sessions.
  - Implemented agile workflows, increasing chatbot response accuracy by 40% and reducing response time by 50%.
  - Consistently exceeded sprint efficiency targets by 30%.
- Internship Trainee** | Bharat Electronics Limited **Jun 2024 - Jul 2024**
  - Developed over five JavaFX interfaces, improving project efficiency by 25% in cybersecurity initiatives.
  - Managed over 20 virtual machines, ensuring a 99.9% system uptime for critical operations.
  - Reduced manual processing time by 35%, enhancing overall system reliability.
- Frontend Developer** | Invisible Mechanics **Jan 2024 - Mar 2024**
  - Engineered and deployed a reactive website, boosting user engagement by 45%.
  - Collaborated with backend teams to optimize performance, achieving a 98% on-time delivery rate.
  - Significantly enhanced the overall user experience.

## PROJECTS

- J.A.R.V.I.S** | Think-a-thon **Jan 2025 - Mar 2025**
  - Created J.A.R.V.I.S (Just A Reality Versatile Interactive System), an RL assistant supporting 20+ languages
  - Integrated speech and visual assistance with YOLOv8 object detection
  - Executed CNN-based face authentication for up to 4 users
  - Enabled 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)
  - Processed over 1M articles daily
  - Introduced Kafka-based streaming for real-time insights
  - Optimized execution to maintain a 5-second response time

## ACHIEVEMENTS AND CERTIFICATIONS

- Led teams in Hacksplosion, Think-a-thon, CreaTech and HackWithInfy.
- Worked under an MIT-based research paper on enhancing movement and simulation to improve accessibility for disabled individuals.
- Completed advanced courses with industry leaders such as Google, Microsoft, Meta, and more. | [References](#)