ARHAAN GIRDHAR

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EDUCATION

- **Manipal Institute of Technology, Manipal**   **2022 - 2026**
  B.Tech in Computer Science and Engineering (AI & ML)   **(**Expected**)**
  <u>Relevant Courses</u> : 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**
- 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.
- Proud to work under an MIT-based research paper on enhancing movement and simulation to improve accessibility for disabled individuals.
- Completed professional courses by Google, Microsoft, Meta and more | References.