



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, Parallel Programing, 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**

- Developed "J.A.R.V.I.S (Just A Reality Versatile Interactive System)," a multi-language (20+) RL assistant enhancing productivity through 24/7 task automation.
- Integrated advanced speech recognition and YOLOv8-based object detection for real-time visual assistance.
- Implemented CNN-driven face authentication, supporting secure multi-user access (up to 4 users).

Sentiment Analysis | Manipal Institute of Technology **Sept 2024 - Oct 2024**

- Architected a real-time news and trend analysis pipeline integrating NewsAPI, GDELT, and Wikipedia, processing over 1M articles daily.
- Leveraged Kafka-based streaming to deliver real-time insights with optimized execution times under 5 seconds.
- Enhanced data scalability and system robustness for efficient trend analysis and decision-making.

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](#)