ARHAAN GIRDHAR

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EDUCATION

- **Manipal Institute of Technology , Udupi**   **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 , 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.
- Led teams in Hacksplosition, Think-a-thon, and HackerRank events.
- Portfolio Website - <u>arhaanportfoilio.in</u> | References - <u>References</u>