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, Parallel Programing, Web Development.*

- **Delhi Public School Rajnagar, Ghaziabad**   **2020 - 2022**
  STD X & STD XII

SKILL SUMMARY

Programming Languages: C, C++, Python, Java, Javascript, MySQL, PostgreSQL

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

Tools: HTML-5, CSS-3, JavaFX, Git, AWS, Docker, MATLAB, Jupyter Notebook, Azure, Microsoft Office

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

WORK EXPERIENCE

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 | HackWithInfy | **LINK**   **Jan 2025 - Mar 2025**
- Developed "J.A.R.V.I.S (Just A Rather Very Intelligent 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).

W.E.A.L.T.H | Manipal Institute of Technology | **LINK**   **Sept 2024 - Oct 2024**
- Developed W.E.A.L.T.H, a responsive financial management web application, featuring 8+ modules including dashboards, budgeting, expense tracking, investment portfolio management, and AI-driven financial optimization.
- Engineered over 15 interactive, real-time visualizations with Chart.js and Recharts, implemented PDF report generation using jsPDF and html2canvas, and achieved seamless deployment with sub-2-second load time.

CERTIFICATIONS

Generative AI with Large Language Models | LINK   **Jan 2025**
- Amazon Web Services | Covers concepts of Generative AI using LLMs, including model training and fine-tuning.

Neural Networks and Deep Learning | LINK   **Dec 2024**
- DeepLearning.AI | Focuses on deep learning principles, exploring neural networks and training techniques.

Exploratory Data Analysis for Machine Learning | LINK   **Dec 2024**
- IBM | Covers essential EDA techniques, including data cleaning, feature engineering, and preprocessing.