



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

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

- Mind Mapper | HackWithInfy | [LINK](#)** Jan 2025 - Mar 2025
 - Developed an AI-powered mind map generator using Next.js, React Flow, and Google Gemini API, enabling intelligent node generation and real-time visualization with over 10+ custom node and edge components.
 - Implemented advanced features including drag-and-drop editing, high-resolution PNG export, and dark mode, enhancing UX across devices and supporting responsive interaction for 100% of viewports.
- 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.