Aarti Singh

cybernova712@gmail.com ⋄ (+91) 6398621488 ⋄ GitHub ⋄ LinkedIn

Education

Computer Science and Engineering Madan Mohan Malaviya University of Technology (MMMUT)
CGPA: 7.61 (Present) 2023–2027

Intermediate K V Mathura Cantt
Percentage: 90.8% 2020–2021

High School K V Mathura Cantt
Percentage: 83.4% 2019–2020

Skills

– **Key Courses:** Data Structures and Algorithms (DSA), Object Oriented Programming
– **Languages:** Python, C, C++, JavaScript
– **Web Development:** HTML/CSS, Tailwind CSS, React, Node.js
– **Databases:** MySQL, MongoDB
– **Generative AI:** RAG, LangChain, Gemini API, Gemini Studio, AI Chatbots, Pinecone Vector DB
– **Data Science Tools:** Pandas, Jupyter Notebook
– **Developer tools and libraries:** Git/GitHub, Visual Studio Code
– **Soft Skills:** Problem Solving, Teamwork, Time Management, Communication

Projects

DSA PDF READER (Generative AI with RAG): Project Link

– Built a PDF reader using Generative AI where users can ask questions and receive accurate answers directly from the provided DSA PDF.
– Implemented Retrieval-Augmented Generation (RAG) using Gemini API, LangChain, and Pinecone vector storage for efficient document retrieval.
– This is an initial version that I plan to expand into a full AI-powered DSA learning platform with practice IDE, auto-generated questions, and guided solutions.
– **Tech Stack:** Node.js, JavaScript, Gemini API, LangChain, Pinecone

TICKET-BOOKING APP: Project Link

– Created a complete UI/UX design for a movie ticket booking app, including movie listings, time selection, seat maps, and final ticket screens.
– Focused on vibrant design, intuitive navigation, and screen responsiveness while learning real-world design workflows in Figma.
– **Tools Used:** Figma

WEATHER APPLICATION: Project Link

– Built and deployed a dynamic weather application using OpenWeatherMap API, showing current conditions and next four days' forecast.
– Includes features like dark/light mode, real-time data updates, and responsive design for mobile and desktop.
– **Tech Stack:** HTML, CSS, JavaScript, OpenWeather API

APPLE WATCH WEBSITE UI: Project Link

– Created a responsive Apple Watch website in Figma showcasing watch products with a smooth and aesthetic layout.
– Used Figma plugins to implement responsiveness and a consistent design system.
– Focused on soft, eye-friendly color palettes to ensure visual comfort and appeal.
– **Tools Used:** Figma

Achievements

- **Codeforces Rating – newbie (max. 885)** Profile link
- **CodeChef Rating – 2 star (max. 1411)** Profile link
- **Solved 120+ problems on LeetCode** Profile link
- **Coursera Certificate: Supervised Machine Learning (Regression and Classification)** View Certificate
- Secured **2nd place in Capture the Flag** at college technical fest

Position of Responsibility

Hack With India (HWI)   MMMUT
Position: Content and Social Media   *Present*

- Manage technical content, event updates, and student engagement through social media for the university's tech club.