

Archit Aggarwal

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EXPERIENCE AND TRAINING

HAIER APPLIANCES | RESEARCH AND DEVELOPMENT INTERN

July 2024 – Aug 2024

- Analyzed PCB manufacturing datasets to identify trends in efficiency, defect detection, and production optimization.
- Built dashboards to visualize key metrics, aiding data-driven decision-making in PCB workflows.

CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING (CDAC) | BOOTCAMP FOR DRONES AND OTHER UAV

April 2023

- Gained hands-on experience in the operation and maintenance of drones and UAV systems.
- Learned about drone hardware components, sensor integration, and troubleshooting techniques.
- Familiarized with UAV software for autonomous flight control and data collection.

PROJECTS

SWIPESENSE | [Link](#)

Dec 2024 – Jan 2025

- SwipeSense is a data-driven Power BI dashboard designed to analyze credit card usage, customer spending behavior, and transaction patterns. It helps businesses monitor key financial metrics, track high-risk accounts, and make informed decisions.
- Tech Used: Power BI, Postgre SQL, MS Excel

CRUD OPERATIONS ON DATA | [Link](#)

Oct 2023 – Dec 2023

- Implemented a connection between sql database and python to perform queries on data based on the choice of the user. Initially it can perform only CRUD operations but can be extended to perform more complex queries.
- Used Apache database to store the view of the data.

GENIFYSUITE | [Link](#)

Aug 2024 – Sept 2024

- Created a website in which there are several tools related to credit cards like generating credit cards (Basic and Advance generation), card number validation, profile generation, lorem-ipsum generator, ip-address location finder.
- Tech Used: HTML, CSS, JAVASCRIPT, DSA, API.

MORPHIE-BOT | [Link](#)

Sept 2024 – Nov 2024

- Morphie is an AI-powered chatbot designed to assist users in generating website design ideas, color suggestions, and layout options based on user input. It leverages Mistral AI to analyze queries and provide structured responses
- Tech Used: HTML, CSS, JS, Python, API.

EDUCATION

MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY

BACHELOR OF SCIENCE IN ELECTRONICS AND COMMUNICATION ENGINEERING

Expected June 2025 | Janakpuri, West Delhi

SKILLS

PROGRAMMING

C++
Python
SQL
HTML
CSS
C sharp

TECHNOLOGY

VS Code • Matlab • Power BI
Premiere Pro • Photoshop • MySQL

POSITION OF RESPONSIBILITY

- Publicity Dept. Member in IEEE, Creativity Dept. Member in Prakriti
- Part of organizing team of MUN'19 in my school, coordinated with various committees
- Event Management Coordinator in MSIT fest Avensis, Adios 2023

ACHIEVEMENTS

- Played State Level Basketball, Achieved 1st position in Inter-Zonal Level and Zonal Level
- Among top 5% in CBSE (Class: XII)
- School Rank 1 in International Science Olympiad (ISO) in Class-8

LINKS

Github:// [Archit Aggarwal](#)
LinkedIn:// [Archit Aggarwal](#)