Charvi Aggarwal

Seeking to Build Career as Python Developer(Machine Learning and Artificial Intelligence)

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Personal website link : https://github.com/CharviAggarwal02/portfolio

EXPERIENCE(INTERNSHIPS & TRAININGS)

InnovateCloud Solutions Internship – Remote
June,2025 – Present
Python Developer Intern

Microsoft and SAP Internship : TechSaksham(Hybrid)
January 2025 – March,2025
AI Intern – Building Healthcare Asssitance Chatbot.

Infosys Springbaord -Pragati : Path to future (Hybrid)
November 2024 – March 2025
Comprehensive Training Program For overall Personality Development and IT foundation course.

CodSoft Internship
September 2024 - October 2024
Data Science Intern - I have been working on projects based on given databases,With the help of various Python frameworks I analyzed the data to produce the desired output as per requirement.

Code Alpha Internship
February 2024 - May 2024
Data Science Intern - I have been working on projects based on given databases,With the help of various Python frameworks I analyzed the data to produce the desired output as per requirement.It includes datasets like Titanic Survival,Train booking prediction.

Oasis InfoByte Internship
January 2024 - February2024
Data Science Intern - I have been working on projects based on given databases,With the help of various Python frameworks I analyzed the data to produce the desired output as per requirement.It includes datasets like Sales Prediction etc.

Bharat Intern Internship
December 2023 – Janauary 2024
Web Development Intern –Developed My Portfolio Website and Weather API website . Weather Website : Interface fetching details from Cloud and Internet to provide adequate results Skills Utilized : HTML , CSS ,JavaScript , API

EDUCATION

Raj Kumar Goel Institute of Technology and Management,Ghaziabad -
B.Tech (Computer Science) Hons in Cyber Security
October,2022- Present
CGPA- 8.92

Dehradun Public School , Ghaziabad- *XII*
May,2021 – May,2022
Percentage- 93.8%

Dehradun Public School , Ghaziabad- *X*
May,2019 – May,2020
Percentage- 94.8%

PROJECTS

FACE RECOGNITION SYSTEM – PYTHON,AI AND OPENCV : May,2025 -Present

The **Face Recognition System** is a computer vision-based application developed using **Python** and **OpenCV** that detects and recognizes human faces in real-time from images, videos, or webcam streams. It leverages machine learning algorithms and feature extraction techniques to identify and authenticate individuals based on facial features.

INFOMATE : CHATBOT FOR COLLEGE QUERIES(USING python FAST API) : October 2024 -Present

InfoMate is a conversational chatbot designed to assist students, parents, and stakeholders in resolving their queries related to college or university operations. It provides quick, reliable, and intelligent responses, making it an efficient tool for institutions to enhance user experience and engagement. The primary goal of InfoMate is to simplify the interaction between users and the institution by automating responses to common questions. HTML, CSS, JavaScript (for chatbot interface). Python (Fat API) for server-side logic.JSON file for storing the data for query and response.Additionally,A sample website to demonstrate practical working of chatbot .It is responsive to various devices like tablests,mobile phones and laptops.

SANKALP - Bloodbank management system (using frontend technology , MySQL and PHP) October 2023-February 2024

The Blood Bank Management System is designed to simplify and automate the process of managing blood donations, inventory, and requests. It bridges the gap between blood donors and recipients, ensuring that blood supplies are efficiently managed and accessible in emergencies. The system minimizes manual errors, enhances record management, and facilitates faster communication between blood banks, donors, and hospitals. HTML, CSS, JavaScript, Bootstrap were used as Frontend technology .PHP was used as backend technology to fetch data from MySQL database.Additional technology used was SMS integration over Mail id.

WEATHER WEBSITE(October 2023-November, 2023)
The Weather Forecast Website is an intuitive platform that provides real-time weather information and forecasts for locations worldwide. The website uses weather APIs to deliver accurate data on temperature, humidity, wind speed, and other meteorological parameters. Designed for ease of use, it ensures visitors can quickly access the information they need, whether for planning their day, travel, or outdoor activities. Interface fetching details from Cloud and Internet to provide adequate results Skills Utilized : HTML , CSS ,JavaScript , API

IRRIGATION SYSTEM BASED ON IOT TECHNOLOGY
 The IoT-Based Smart Irrigation System is designed to automate the process of irrigation using real-time environmental data. The system leverages Internet of Things (IoT) technology to monitor soil moisture, weather conditions, and water levels to optimize water usage in agricultural fields. This approach ensures efficient water management, reduces wastage, and increases crop yield by providing the right amount of water to crops as needed.It includes use of soil sensor , Arduino Uno ,realys, pumps and several male-female , female female cables.

SKILLS

- **TECHNICAL COMPETENCIES**: C/C++, Python, Machine Learning, Deep Learning, XML, HTML, CSS, JavaScript, Flask API , Fast API, MATLAB, PowerBI.,PHP,Servlets and JSP **,**Scikit-learn,Keras framework,OpenCV and LangGraph
- **DATABASES:**SQL,Mongodb
- **VERSION CONTROL TOOLS**: Git and Github
- **CO-CURRICULUM**: Singing, Dancing,Cooking

AWARDS

- Secured Second Position in IoT Competition (Project – Irrigation System)
- Secured Third Position in XII Boards
- Secured Third Position in InterSchool Quiz Competition

LANGUAGES

- English
- Hindi

POSITION OF RESPONSIBILITIES

- Foundation of Digital Marketing Team on Campus(Position-President)
- Class Representative (B.Tech CSE)
- Successfully Organised IoT event and Sports Event – RPL
- Successfully organized Women's day event
- Part of Manthan-The Forte(Literary Club)

VOLUNTEERING

- Event Coordinator, in Youth India @2047 event
- Coordinator Core Team Digital Marketing

CERTIFICATIONS

- IBM Certification on Data Analytics(Winter Certification Programme)
- Infosys Springbaord Courses on Database Management System , Data structures and algorithms using Python
- NPTEL Certification Courses on Emotional Intelligence and Blockchain & its Applications
- NPTEL Certification Courses on Internet of Things and Enhancing Soft Skills and Personality
- NPTEL Certification Course on Industrial Internet of Things (Industry 4.0)
- TCS ION Courses on Communication and Professional Ethics
- Microsoft Certification on AI fundamentals