



AJAY KUMAR

B. Tech – Computer Science Engineering

Gender: Male

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Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2022	B. Tech (CSE)	Hindustan College of Science & Technology, Farah, Mathura	76.7 %
2018	Class XII	Madan Mohan Kalawati Sarraf SVM, Mathura, CBSE	59.83 %
2016	Class X	Madan Mohan Kalawati Sarraf SVM, Mathura, CBSE	7.00

Internship Experience

- CafeLink – Web Application, Agra:** *June 2021 – July 2021*
During BCS Infallible Technology internship, CafeLink (Web Application) was made using ReactJS to connect all the local cafes at one platform to increase their brand value and revenue by advertising their menus, reviews, ongoing events, offers and many more. For handling the data, we have used MySQL with PHP to manage the database.

Project Work

- Major Project**
Sign Language Translator: *Sep 2021 – May 2022*
The objective of this project is to detect the hand gestures from the Camera Input to understand the hand sign. **Labelling Package** from Python is used to make the labelled dataset for a deep learning algorithm (**CNN**) as training data. The variation of accuracy of detection is between 65 and 90 %.
- Other Projects**
Heat flow prediction of PCMs using Machine Learning Algorithms: *Jun 2022*
The objective of the project is to predict the heat flow of different phase change materials by using different machine learning algorithms. The dataset is taken from experiments that are performed on PCMs with different compositions. Based on R^2 and RMSE, Random Forest Regression was found the best suitable algorithm.
Restaurant Website: *Apr 2021*
In this project, a responsive design website for Chinese Restaurant is made by using **HTML, CSS, and JavaScript** for front end development under an online Coursera course offered by Jhon Hopkins University.

Technical Skills

- Programming Languages : C, Python, Java Core, SQL.
- Development : HTML, CSS, JavaScript, React JS.
- Other Software : MS-Office, VS Code, XAMPP, Postman, Git.

Positions of Responsibility

- **Team Leader**

In a one-month internship at BCS Infallible Technologies, Agra, I was the team leader. To meet the deadlines, my duties included assigning work to team members, taking the follow-up, and finishing my own job.

Co-curricular Activities:

- Completed an online course on **Hands-On Machine Learning** with Python language.
- Completed online courses on **Python for Everybody & Python Data Structures** offered by the University of Michigan in **Oct 2021** on Coursera.
- Completed an online course of **HTML, CSS, and JavaScript for Web Developers** offered by Jhon Hopkins University on Coursera in **Apr 2021**.