



# AJAY KUMAR

B. Tech – Computer Science Engineering

E-mail ✉: [a.kumar01c@gmail.com](mailto:a.kumar01c@gmail.com)

Contact: +91- 6397053766

[GitHub](#) | [Portfolio](#)



## 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 my internship at BCS Infallible Technology, I developed CafeLink, a web application built with ReactJS. The purpose of CafeLink is to provide a central platform for local cafes to connect and advertise their menus, reviews, ongoing events, offers, and more. This helps local cafes improve their brand value and generate additional revenue. I used MySQL with PHP to manage the database for storing and organizing the data.

## 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:** July 2022  
The objective of this project is to recognize hand gestures using camera input. We used the Labelling package in Python to label the dataset for training a convolutional neural network (CNN) as the model. The accuracy of the detection varies between 65% and 90%.  
**WhatsApp Chat Analyzer:** Dec 2022  
A WhatsApp chat analyzer is a tool that allows you to analyze the messages in a WhatsApp chat and extract various statistics and insights from the data. This can be useful for understanding how a group of people communicate with each other.

## Technical Skills

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- Programming Languages : Python, SQL, C.
- Development : HTML, CSS, JavaScript, React JS, Streamlit.
- Other Software : Jupyter, Power BI, VS Code, Git, MS-Excel.

## Positions of Responsibility

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- **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.

## Certifications

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- 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**.