



# Korada Vishal

## Indian Institute of Technology (BHU) Varanasi

@ kvishal3258@gmail.com     Vishalk91-4     Vishal-K     vishalk91-4.github.io     +91 82934 26267

## EDUCATION

### Indian Institute of Technology (BHU) Varanasi

*Undergraduate — Major, PHE CPI: 8.20/10.00*

Varanasi, India

*Oct 2022 – Present*

### DAV MODEL SCHOOL IIT Kharagpur

*XII, CBSE Percentage: 95.08*

Kharagpur, India

*May 2021*

### Christopher Day School

*X, ICSE Percentage: 91.60*

Kharagpur, India

*May 2019*

## SKILLS

**Programming :** C/C++, C#, Java, Python, Go, Rust, JavaScript, TypeScript, MySQL, MATLAB, R, Git, Bash, Docker, GitHub, PostgreSQL, PHP, HTML5, CSS, Image Processing, Natural Language Processing(NLP), Deep Learning(DL), Machine Learning(ML)

**Frameworks:** NextJS, ReactJS, VueJS, Astro, Django

**Libraries:** OpenCV, Scikit-Learn, PyTorch, Keras, TensorFlow, NumPy, Pandas, Matplotlib, Seaborn, MongoDB

## WORK EXPERIENCE

### Sugar Labs

*Student Developer*

Paris, France (Remote)

*June 2023 – Present*

- Currently working on the “Arçelik Digital Home Energy” project in a collaborative effort with DAI-Labor at the Technical University of Berlin under the supervision of Prof. Dr. Şahin Albayrak.
- Simulated data exchange processes with the EEBUS protocol suite using C# and Go frameworks. Converted the entire framework from Go to C++ in order to ensure future adaptability for smart home IoT devices.

### Girl Script Summer of Code

*Open Source Developer*

India (Remote)

*Apr 2023 – Aug 2023*

- Developed effective Turkish prompts for diverse AI tasks and maintained a high standard of prompt quality and consistency across different competencies, adhering to established guidelines and best practices.
- Engaged in collaborative meetings with cross-functional teams and project coordinators, actively seeking guidance, addressing queries, and collectively brainstorming strategies to generate higher quality prompts.

## PROJECTS

### LFX Metrics\* | [GitHub](#)

- A project which provides Data about every Foundations which gets selected in Linux Foundation Mentorship in every term, gives every statistical data about it and provide a seamless experience for user, so that they don't get confused and can select the projects they want to work on depending upon their convenient Tech Stack or based on the Foundation.
- The backend for this project has been made on Golang and the frontend on Astro, a lot of data was scrapped for each foundation, for this the DataBase Management System used is Postgre SQL.

---

### NES EMULATOR\* | [GitHub](#)

- A NES Emulator, with all the Operational Codes is built which can work on many devices simultaneously, the complete architecture has been built from scratch, the MicroProcessor is also built in the same way
  - This project is not built using C++, rather being built using Rust, since it's a lot faster like being 100 times faster than C++ and like 10 times faster than Go. This makes it more efficient and effective to work with.
- 

### ENV NPM Package\* | [GitHub](#)

- Publishing a NPM Package, which easily stores your API Key in dotenv file, when it is installed, using npm command, it checks using AI, whether the API Key is present or not and stores the same, asking if we want to store it in the same variable or rename to your choice.
- 

### Image Detection Transformer\* | [GitHub](#)

- An image classifier that combines the power of Convolutional Neural Networks (CNNs) and Transformers to improve image recognition capabilities.
- This model can classify images more accurately and can be a valuable tool for tasks like sorting images or detecting objects in a simple yet efficient manner.
- Python with Keras for model development and deployment, and libraries like NumPy and Hugging Face Transformers for data preprocessing and transformer implementation.

## POSITION OF RESPONSIBILITY

---

### Club of Programmers IIT BHU (COPS)

*Software Development Guild CORE Team Member*

*Feb 2023 – Present*

### Research Cell IIT BHU (RC)

*AMA and Podcast Member*

*Jul 2023 – Present*

### EntrepreneurShip Cell IIT BHU (E-Cell)

*Tech Team Member*

*Aug 2023 – Present*

## COURSEWORK

---

**Major coursework:** Linear Algebra, Introduction to Object-Oriented Programming, Data Structures and Algorithms, Computer Organization, Probability and Statistics

**Certification coursework:** Linear Algebra MIT EDX CS50 Harvard EDX Machine Learning Specialization - Coursera Andrew NG Deep Learning Specialization - Coursera Andrew NG Deep Learning Applications - Fast.AI

## AWARDS & ACHIEVEMENTS

---

**JEE ADVANCED:** Top 1 percent out of approx 2 million Applicants to get selected for IITs across the nation (Sep 2022)

**BRICSMATH:** Awarded to the winner of 4 International Online Mathematics Competition among students who have been ranked in the top 100 in INMO. (Dec 2020)