

Korada Vishal

Indian Institute of Technology (BHU) Varanasi

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EDUCATION

Indian Institute of Technology (BHU) Varanasi

Undergraduate — Major, PHE SPI: 8.60/10.00

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, MongoDB

WORK EXPERIENCE

Sugar Labs

Student Developer

Paris, France (Remote)

June 2023 – Present

- Currently working on the “Sugarizer” project in a collaborative effort with SugarLabs under the supervision of Prof. Dr. Lionel Laske.
 - Using Vue Js, for creating newer applications for future adaptability, Converted the entire framework from webL10n to i18next, changing the sugarizer-server code to GO Frameworks with docker implementation.
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Girl Script Summer of Code

Open Source Developer

India (Remote)

Apr 2023 – Aug 2023

- Developed frameworks for ML apps like ImagineAI, improving standard of prompt quality and consistency across different competencies, adhering to established guidelines and best practices.
 - Developed full app along with the image classification for large, medium and small sized images.
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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.
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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.
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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.
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Image Detection Tranformer* | [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)