

#### **EDUCATION**

## Harcourt Butler Technical University

Dec 2022 - April 2024

Bachelor of Technology in Electrical Engineering | CGPA: 7.6

Kanpur

### Rainbow Public School

July 2018 - May 2019

Senior Secondary (Class XII) | Percentage: 94.6%

Central Board of Secondary Education

O Ranked 1 in NAO (National Astronomy Olympiad) and qualified for trip to NASA.

## WORK EXPERIENCE

#### **Invariance Automation**

Nov 2022 - Dec 2022

Software Development Intern

IIT Kanpur

- Working on the Development of Computer Vision and Python based User Interface with the Team Members.
- It ensures the proper alignment of various components on PCB for automating the assembly line.
- O Implementing machine learning models for matching the product with the prototype.

# Siemens

June 2022 - Aug 2022

Research & Development Intern

Mumbai

- O **Researched** and developed a work plan for the **Automation** of Lab work at R&D department.
- Created API of labs using the Mind Connect IOT module. Prototyped an application on Mindsphere cloud using Mendix and designed PLC program of 10+ labs on LOGO and TIA software.
- O Project Links GitHub | Video1 | Video2

## TECHNICAL PROJECTS

## • Shoe Hype

GitHub | Deployed | Video

- O A CNN Based Recommender System where User can Upload any shoe image to get similar shoe recommendations.
- It also helps User get shoe buying options and demonstrates Reverse Imaging using scikit learn and RESNET.
- O Cleaned and analyzed the raw Kaggle dataset having more than 20K+ rows.

### • Pose Detection

GitHub | Video

- O It detects and analyses 33 pose, 468 face and 21 hand landmarks of User using OpenCV and Mediapipe.
- O It **predicts** the defined poses of the user with probability scores using **Scikit Learn pipelines**.

#### • Time Series Prediction

GitHub | Deployed | Video

- A Stocks Predictor made with Prophet that fetches data from API and graphically represents the result using Plotly.
- O User can select from **3000+** stocks and can get predictions ranging from **1 to 5 years**.

#### TECHNICAL SKILLS

- Programming Languages: Python, SQL, Shell Scripting
- Data Analytics & Machine Learning: Hadoop, NumPy, Pandas, Matplotlib, Scikit-Learn, Power BI, TensorFlow, Algorithms
- Data Science: Data science pipeline (cleaning, visualization, modeling, interpretation), Time series, Recommendation Engines, Customer Segmentation, Natural Language Processing
- Tools & Miscellaneous Technologies: Git, GitHub, AWS, Jupyter Notebook, Streamlit, Excel

# GENERAL SKILLS

• Languages: English, Hindi | Others: Leadership, Public Speaking, Planning, Delegation, Social Media Management

### HONORS & RESPONSIBILITIES

# Siemens Scholar

Website

- O Got selected as a Siemens Scholar among the top 200 candidates from India for the German dual based program.
- O Attended Mechatronics (Learnt PLC programming) and soft skills Training by Growth Center.

#### • Co-Secretary | Alumni Association HBTU

- Organized **Alumni Meet** with **Mr. President** as chief guest and had **2500+ alumni** at the centennial celebration.
- O Leading the Development of a **Job Portal** that will provide placement and internship opportunities to students.

#### • Open Source Maintainer | Hacktoberfest

GitHub | Deployed

- O Maintainer of **Tech Talk** (**Open-Source** Tech Topics Learning Website) at Hacktoberfest 2022.
- Certification Test

- Certificate 1 | Certificate 2
- O Passed Python HackerRank and SQL (Intermediate) HackerRank Certification Test.