




Dhruv Tyagi

 Portfolio |  GitHub
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EDUCATION

- Harcourt Butler technical University** Kanpur, Uttar Pradesh
• Bachelor of Technology in Electrical Engineering | YGPA: 7.6
Dec 2022 – April 2024
- Rainbow Public School** Saharanpur, Uttar Pradesh
• Intermediate | Percentage: 94.6%
July 2018 – May 2019




EXPERIENCE

- Invariance Automation Pvt Ltd.** Nov 2022 – Dec 2022
Upcoming **Software** Development Intern IIT KANPUR
• To Develop an **OpenCV** and **Python** based **User Interface** that ensures the proper alignment of various components on **PCB**.
• To implement **machine learning models** for matching the product with the prototype for building an **automated** assembly line.
- Siemens Pvt Ltd.** June 2022 – Aug 2022
Research & Development Intern Mumbai
• Developed a work plan for the **Automation** of labs. Created an **API** of labs using the **Mind Connect IOT** module.
• Prototyped an application on **Mindsphere cloud** using Mendix and made **PLC program** of labs on LOGO and **TIA software**.
• Project Links:   

PROJECTS

- Shoe Hype | Python, Deep Learning, ResNet, Streamlit**
• This is a **website** that is a **CNN Based Recommender System** that uses **RESNET** for feature extraction.
• It demonstrates **Reverse Imaging** and provides recommendations and **buying options** to the user.
• Project Links:   
- Pose Detection | Mediapipe, Computer Vision, Scikit Learn, Machine Learning**
• This project detects and analyses the **landmarks** of the body and further **predicts** the trained poses with probability scores.
• Features of poses are extracted which are stored in a **CVS** file and passed to the machine learning model with the best accuracy.
• Project Links:  
- Stocks Forecaster | Prophet, Pandas, API, Plotly**
• This Application provides Stocks **Forecasting** by fetching data from Yahoo finance **API** in a customized and graphical manner.
• Project Links:   
- Unicofy | Data Engineering and Analysis, Scikit-Learn, ML models**
• It is an HBTU **startup** based on the Indian government scheme **ODOP**.
• Working on **collecting data** and developing a **product and gift recommendation** system.

ADDITIONAL

- Technical Skills**
 - Python | SciPy
 - Scikit-learn | Keras
 - NumPy | pandas
 - TensorFlow
 - AWS | Hadoop
 - Matplotlib | Excel
 - Recommendation Engines
 - Time series Forecasting
 - Natural Language Processing
 - Machine Learning
 - Customer Segmentation
 - DBMS | Statistics
- Training and Certificates**
 - Python HackerRank  -
 - SQL(Intermediate) HackerRank 
 - Data Science 
 - Basic Mechatronics Training | MIT, Aurangabad
 - Soft Skills Training by Growth Center | Mumbai

ACHIEVEMENT & RESPONSIBILITIES

- Siemens Scholar**
 - Honored to be selected as a **Siemens Scholar**. Only the **top 200** candidates are selected for this **German dual** based program.
- Co-Secretary, Alumni Association**
 - Organized and Managed **Alumni Meet** with **Mr. President** as our chief guest on the centennial celebration of HBTU.
 - Leading Development of **Job Portal** which will provide placement and internship opportunities to students.
- Social Media Manager**
 - Managed the LinkedIn and Instagram handle of various societies. Experience of implementing and optimizing social media strategies.