



SHIVSHANKAR YADAV | 21CE10064

CIVIL ENGG. (B.Tech 4Y)



ACADEMIC PERFORMANCE

Year	Degree	Institute	CGPA/Marks
2023	B.Tech in Civil Engineering	IIT Kharagpur	7.75/10
2021	Class XII (CBSE)	Scottish Public School	94%
2019	Class X (CBSE)	Scottish Public School	95%

- Secured a top 1% spot in **JEE Advanced 2021** among **1.5 lakh candidates**, conducted by the Government of India.
- Secured **Top Departmental SGPA** in previous semester among **110 students** of Civil Engineering Department, IIT Kharagpur.

PROJECTS

AAPL Stock Price Prediction(Numpy, Pandas, matplotlib, Scikit-Learn, Linear Regression)

Dec 2022 – Jan 2023

MACHINE LEARNING PROJECT

- Analyzed the **AAPL stock price dataset** from Kaggle based on high, low, exponentially moving averages and RSI level.
- Built a **linear model** to predict gold stock price on the basis of open, high, low, close, volume, **EMA-20, EMA-50, EMA-200, Upper_Band, Lower_Band, RSI** and **MACD**. Got a performance of **0.96 in test data** and **0.99 in training data**.
- Gained valuable insight into **Vertical / Short take-off** and **Landing Technology (V / STOL)** from an academic perspective

Web Development - Nehru Hall Of Residence(HTML5, CSS3, JAVASCRIPT)

Dec 2022 – Feb 2023

WEB DEVELOPMENT PROJECT

- Worked as a member of the Web development team of Nehru Hall of residence, IIT Kharagpur which developed **responsive and dynamic navbar** of hall's webpage using **modern Javascript framework, HTML5 and CSS3**.
- Added **responsive image slider** to hall's webpage using **onclick function** to enable users to easily navigate to image.
- Integrated selfmoving images** after every 5 seconds in image slider using **setInterval function** of javascript.

RELEVANT COURSES AND SKILLS

Technical Skills

- Software:** MS Office; FreeCAD; Microsoft Visual Studio; MS Paint, MS powerpoint
- Languages:** C; C++; HTML; CSS; JS; Python
- Libraries:** Numpy; Pandas; Matplotlib, Scikit-Learn.
- Relevant Courses:** Programming And Data Structure; Programming And Data Structure Lab; Linear Algebra And Complex Analysis; Probability And Statistics; Introduction to Civil Engineering; Basic Engineering Mechanics; Basic Electronics; Structural Analysis.

MOOCs

Machine Learning Course For Beginners - FreeCodeCamp	C++ Programming Step By Step From Beginner To Ultimate Level
100 Days Of Machine Learning - CampusX	Complete C++ Placement DSA Course - CodeHelp
The Complete 2022 Web Development Bootcamp	Web Development Tutorials For Beginners - CodeWithHarry

EXTRA CURRICULAR ACTIVITIES

Sports

- Represented Nehru Hall Of Residence and qualified for **quarters** in **sports general championship cricket** held at IIT Kharagpur during the **academic session 2022 – 2023**.
- Represented Nehru Hall Of Residence in **100m and 200m race** in **sports general championship athletics**.

National Cadet Corps

- Selected out of a batch of **1800+ students** to be a part of **the NCC chapter** of IIT Kharagpur, under the Air Force Wing.
- Was an **active participant** in the **Annual NCC camp** held at IIT Kharagpur during the **academic session 2022 – 2023**.