



SHIVSHANKAR YADAV

Department of Civil Engineering | Nehru Hall of Residence

Indian Institute of Technology, Kharagpur – 721302

Katihar, Bihar | info.shivshankar2002@kgpian.iitkgp.ac.in | +91 7520134385

ACADEMIC PERFORMANCE

Year	Degree	Institute	CGPA/Marks
2023	B.Tech in Civil Engineering	IIT Kharagpur	8.59/10
2021	Class XII (CBSE)	Scottish Public School	93.2%
2019	Class X (CBSE)	Scottish Public School	94.2%

- Secured a percentile of **98.82 percentile** in **JEE Advanced 2021**, out of **0.17 million candidates**, conducted by the Government of India.
- Secured **Top Departmental SGPA** in previous semester among **110 students** of Civil Engineering Department, IIT KHARAGPUR.

PROJECTS & ACCOMPLISHMENTS

AAPL Stock Price Prediction (Numpy, Pandas, Matplotlib, Scikit-Learn, XG-Boost)		Feb 2023 – Jun 2023
Machine Learning Project	<ul style="list-style-type: none">Analyzed the AAPL stock price dataset from Kaggle based on open, high, low, close and volume.Calculated various SMA, EMA, RSI and MACD and found 9-EMA as most important indicator among them.Build a XG-Boost model with Grid Search CV to predict stock price with an accuracy of 92% on test dataset.	
Web Development – Nehru Hall Of Residence(HTML5, CSS3, JS)		Dec 2022 – Mar 2023
Web Development	<ul style="list-style-type: none">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.	

POSITIONS OF RESPONSIBILITY

Core Organizing Team Member		Spring Fest, IIT Kharagpur	Sep 2022 – Jan 2023
Teamwork	<ul style="list-style-type: none">Organized Spring Fest 2023 one of India's largest College Cultural Fests in Hybrid Mode with a participation of 27,000Generated a sponsorship amount of 5 Lakhs from the Patna region for Spring Fest 2023 via Alumni contributions.Collectively lead a team of 15 + campus ambassadors in order to publicise Spring Fest 2023 on a nation-wide scale.Co-headed a team of 50 Associate Members, Publicizing the fest to 700+ colleges and published 250+ media articles		
Initiatives	<ul style="list-style-type: none">Conducted Nation Wide Prelims of 4 Events (Dance/Music) in Patna with 60% YoY increase in overall participationCoordinated International Carnival, with artists from Taiwan, Germany, Hong Kong, Brazil, Italy, Denmark, Singapore		

RELEVANT COURSES AND SKILLS

Technical Skills	<ul style="list-style-type: none">Software: MS Office; AutoCAD; Microsoft Visual StudioLanguages: C; C++; HTML; CSS; JS; REACT JS; PYTHONLibraries: Numpy; Pandas; Matplotlib; ANN; CNNRelevant Courses: Programming And Data Structure; Programming And Data Structure Lab; Linear Algebra And Complex Analysis; Probability And Statistics; Basic Engineering Mechanics; Introduction to Civil Engineering; Basic Electronics;
------------------	---

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

National Cadet Corps	<ul style="list-style-type: none">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 2021 – 2023.
Sports	<ul style="list-style-type: none">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.
Cultural Event	<ul style="list-style-type: none">Participated in Street Play Drama for Nehru Hall Of Residence in Cultural General Championship, IIT Kharagpur.Participated in English and Hindi Eloucation for Nehru Hall Of Residence in Cultural General Championship.