

Harsh Kumar Gautam

3rd Year Undergraduate

Department of Civil Engineering

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🌐 Harsh-Portfolio | 🌐 harshgau | in harsh-gautam-0

Academic Qualifications

Year	Degree/Certificate	Institute	Performance (% /CPI)
2019 - 2023	Bachelor of Technology	Indian Institute of Technology Kanpur	7.0/10.0
2019	Class XII (CBSE)	Hope Academy, Tikamgarh	87.4%
2017	Class X (CBSE)	Jawahar Navodaya Vidhyalaya, Tikamgarh	9.8/10.0

Work Experience

- Tutedude** | Digital Marketing Intern | **Supervisor: Abhishek Gangwar** *July'21 - present*
- Planned and implemented **marketing** and **social media campaigns** to increase the reach of Tutedude (Platform for online course and skill development) among college students and avail them there required course with a certificate at a reasonable price
 - Customized the company's presence on social media including **Facebook, LinkedIn, and Instagram** with content ideation
 - Ensured the customers getting the best experience by clearing all their **doubts** about the **services** provided by the firm

Key Projects

- Markowitz Portfolio Management** | Summer Project: Finance and Analytics Club IITK *May'21 - July'21*
- Used **Modern Portfolio Theory** to analyze risk and return of different stocks and their relation with each other and the market
 - Obtained **Optimal weights** (weights corresponding to Maximum Sharpe Ratio) for **Top 15** stocks & obtained efficient frontier
 - Trade the portfolio by holding it over the **Testing Period** and analyzed **Total Returns on Portfolio, Volatility, Beta**
 - Analyzed the individual portfolio using **Efficient Frontier** by considering the individual investor's risk tolerance

- Web-based Annotation Framework for Poetry to Prose Conversion** | Prof: Suvendu Samanta *Dec'21 - Jan'22*
- Created an interface in **PHP** using **Apache and MySQL** where users can upload their file trained and predicted by the model
 - Built a framework for **Sanskrit** poetry to prose conversion that allows annotators to **fix errors** made by the deep-learning model
 - Created an interactive platform using **HTML5, CSS and Javascript** where Users provide some bag of words as input, which can be **rearranged in a sequential manner**, and then the user receives the arranged words as output

- IPL Insights** | Self Project *June'21 - July'21*
- Analyzed IPL data from Kaggle using **NumPy and Pandas** and Visualized the Data using **Matplotlib** and **Seaborn** libraries
 - Obtained **orange, purple** cap holder, and **man of the match** in each IPL session, as well as the toss factor in winning a match.
 - Obtained IPL winners, maximum fours, maximum sixes, maximum run-scorer, most wicket-taker and reported all detailed results

- Covid 19 Analysis** | Self Project *May'21 - June'21*
- Used **Pandas, NumPy, Matplotlib, Sklearn** to analyze data **Preprocessed** data by dropping unuseful columns from dataset
 - Analysed active cases, male to female Vaccination ratio **Top 10** States with highest number of death and **top 5** vaccinated state
 - Predicted from **DecisionTreeRegressor, LinearRegression, GaussianNB** model and Compared their accuracy

- Iblogger Website** | Self Project *Dec'20 - Jan'21*
- Designed **Responsive** website from scratch using **Bootstrap** Created **Navigation** bar which contained different pages
 - Implemented **Html, CSS** to create body and styling **Javascript** for interactive web pages and **MySQL** to connect database
 - Made a **login** button to allow user to connect with **million** of other users; **Create your blog** button to post blogs and comments

Technical Skills

- Programming:** C, C++, Python, HTML, CSS, Javascript
- Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Flask, Scikit-learn, BeautifulSoup, requests, smtplib, turtle, Tkinter
- Software and Tools:** Jupyter Notebook, VS code, PyCharm, MATLAB, Git, Bash, MS-Excel, Microsoft Office, Power Bi

Relevant Courses

** Online Courses*

Programming for Everybody (Getting Started with Python)* Data Analysis & Visualization: Python Excel BI Tableau* 100 Days of Code - The Complete Python Pro Bootcamp* Applied Probability And Statistics	Fundamental Of Computing Python for Data Science, AI & Development* Machine Learning* Partial Differential Equations
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Position of Responsibility

- Senior Executive Secretary** | Society of Civil Engineers, IIT Kanpur *July'20 - Apr'21*
- Connected with **200+** alumni Successfully Conducted over **20+** sessions with students and alumni
 - Worked with a team of **15** students to reach **600+** civil students over the year
 - Managed the selection process of **30+** students to join them in SOCE as a **Junior Executive** and **led** the team

Extra-Curricular Activities

Technical	Participated in Takneek and Inter Hall competition from Hall II , to design an Ornithopter that can fly in the air for up to 10-15 seconds, from the Aeromodeling Club , IIT Kanpur 2019 Qualified National Talent Search Examination NTSE first stage among 1 million candidates in 2017
Cultural	Performed in freshers Drameve Nukkad Natak from the Dramatics club , IIT Kanpur 2019
Sports	Played Table-Tennis and Inter Hall competition from Hall-II in IIT Kanpur sports-fest Udghosh 2019