

# VIPUL H HARIHAR

205 W,109 St, New York City, NY, USA  
<https://linktr.ee/vipulharihar>

+1(917)-214-5091  
vh2105@columbia.edu

## EDUCATION

<b>Columbia University</b>	New York, NY, USA
<b>MS IN DATA SCIENCE</b>	Expected Dec 2022
Relevant Coursework Taken: Applied ML, Elements of Data Science, Probability and Statistics, Exploratory Analysis & Data Visualization	
Engineering Graduate Student Council Department Representative and Professional Development and Leadership Fellow	
<b>DIT University</b>	Dehradun, India
<b>B.TECH. IN COMPUTER SCIENCE AND ENGINEERING</b>	Aug 2016 - May 2020
Specialization in Big Data Analytics, GPA: 9.62/10.0 (Top 2%)	
Awards: Recipient of University Bronze Medal Award and Computer Science Program Gold Medal Award with scholarships	

## PROFESSIONAL EXPERIENCE

<b>Columbia University</b>	New York City, NY, USA
<b>Enhanced Teaching Assistant</b>	Jan 2022 - Present
• Held office hours to teach, help and impute analytical thinking in algorithms to classes of 317 master's students	
• Managed homework, solutions and helped Professor to grade 317 students on Analysis of Algorithms subject	
<b>IBM</b>	Bangalore, India
<b>Application Developer</b>	Feb 2021 - Aug 2021
• Managed relational databases, performed data analytics and data modeling on more than 1 million data records	
• Solved and coded data repetition issue solution construct resulted in saving two hours and optimized the accessibility data flow	
<b>IBM</b>	Bangalore, India
<b>Associate Systems Engineer- Graduate Hire</b>	Jan 2021 - Feb 2021
• Performed about forty-five bug fixes with weekly collecting and understanding business requirements for an internal IBM project to automate report generations and completed training on new technology- Cloud Computing & Data Science	
• Recognized by the Talent Acquisition Team within first month and gained promotion to Application Developer role for IKEA client	

## SKILLS & CERTIFICATIONS

- Computer Programming: Java, Python, R, SQL, JavaScript, HTML and CSS
- Technology: Data Analytics and Visualization, Predictions and Machine Learning, Big Data Analytics, Applied Deep Learning and Neural networks, NumPy, sklearn, matplotlib, seaborn, pandas, keras, TensorFlow, Microsoft Office and SDLC

## INTERNSHIP EXPERIENCE

<b>Indian Road Safety Campaign: Solve Foundation</b>	Dehradun, India
<b>Policy Intern (Data Software Developer Intern)</b>	Jul 2020 - Dec 2020
• Developed predictive project based on data analytics to mark 75.86 mi <sup>2</sup> dangerous accident-prone area in Dehradun City	
• Supervised 6 team members to collect data and conduct analytics for the project	
<b>IBM</b>	Dehradun, India
<b>Java Full Stack Development Engineer Trainee</b>	Feb 2020 - Jul 2020
• Devised food delivery application aimed at serving food during Covid-19 global pandemic outbreak situation	
• Led five interns to devise the all-in-one web dashboard to organize restaurants, performs predictions on popularity & impressions	
<b>ONGC, Ministry of Petroleum and Natural Gas, Government of India</b>	Dehradun, India
<b>Summer Scholar- Big Data Engineer Intern</b>	May 2019 - Jun 2019
• Scraped open-source data on 5 news websites and leveraged filtering based on trending keywords	
• Pre-processed big data on Hadoop and conducted data cleansing and preparation for reports generation	
<b>Summer Scholar- Data Analysis Intern</b>	May 2018 - Jun 2018
• Developed automated report generating website to analyze more than 200 ONGC oil wells data and studied data visualization	

## ACHIEVEMENTS

- Received DIT University Computer Science Program Gold Medal Award Scholarship (2016-20): Top Student in 1200+ students
- Selected in All India Roads Safety Campaign organized by Indian Roads Safety Campaign, got appreciated by NGO, Uttarakhand
- Nominated and Elected as Professional Development and Leader Fellow by Columbia Faculty out of 2300 students
- Lost more than 66 lbs. to control weight and adopted healthy lifestyle