

# VIPUL H HARIHAR

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## EDUCATION

### Columbia University MS IN DATA SCIENCE

New York, NY, USA  
Expected Dec 2022

Relevant Coursework Taken: Applied ML, Elements of Data Science, Probability & Statistics, Exploratory Analysis & Data Visualization  
Engineering Graduate Student Council Department Representative and Professional Development and Leadership Fellow

### DIT University

Dehradun, India

### B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

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

### Columbia University

New York City, NY, USA

Enhanced Teaching Assistant

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

### IBM

Bangalore, India

Application Developer

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

### IBM

Bangalore, India

Associate Systems Engineer- Graduate Hire

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

### Indian Road Safety Campaign: Solve Foundation

Dehradun, India

Policy Intern (Data Software Developer Intern)

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

### IBM

Dehradun, India

Java Full Stack Development Engineer Trainee

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

### ONGC, Ministry of Petroleum and Natural Gas, Government of India

Dehradun, India

Summer Scholar- Big Data Engineer Intern

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

Summer Scholar- Data Analysis Intern

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