

VIPUL H HARIHAR

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EDUCATION

Columbia University	New York, NY, USA
MS IN DATA SCIENCE	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 ² 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
• Scrapped 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