

VIPUL H HARIHAR

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EDUCATION

Columbia University

Master of Science in Data Science

Engineering Graduate Student Council Department Representative

Relevant Coursework Taken: Algorithms Analysis, EDAV, Statistics and Inference Modelling, Applied Machine Learning

New York, NY
Expected Dec 2022

DIT University

Bachelor of Technology in Computer Science and Engineering

(With 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

Dehradun, India
Aug 2016 - May 2020

PROFESSIONAL EXPERIENCE

Columbia University

Enhanced Teaching Assistant

Jan 2022 - Present

- Enhanced Teacher Assistant for the subject Analysis of Algorithms I under Professor [Eleni Drinea](#)
- Grade homework, exams, and papers, proctor exams for 293 students. Host office hours, correspond with students via email and 'Courseworks'.

IBM.

Application Developer

Bengaluru, India
Feb 2021 - Aug 2021

- Managed client's customer invoice global databases (more than 5000s queries) by enhancing the pre-accounting module. Created procedures to regulate data redundancy and alterations as requested
- Solved and coded data repetition issue solution construct which resulted in saving two hours and optimized the accessibility data flow

Associate Systems Engineer

Jan 2021 - Feb 2021

- Performed about forty-five bug fixes with weekly collecting and understanding business requirements for an internal IBM project to automate the report generations and completed training on new technology- Cloud Computing & Data Science
- Recognized by the Talent Acquisition Team within the first month and gained promotion to ADE to create a software solution for the world's largest furniture company

SKILLS & TECHNOLOGIES

- Programming: Java, Python, R, SQL
- Packages: NumPy, Pandas, Scikit-Learn, NLTK (Machine Learning, Modelling and Deployment)
- Databases: MySQL, MongoDB, Oracle DB

INTERNSHIPS

Indian Road Safety Campaign: Solve, MRTH-Government of India

Policy Intern

Dehradun, India
Jul 2020 - Dec 2020

- Applied data descriptive analysis and techniques to mark dangerous accident prone or poor roads condition area
- Supervised a team of six (6) members and being the only city tech team, Gramaya Vikas Society (NGO-Uttarakhand, India) appreciated the idea and adopted the project to resolve locality problems

IBM

Java Full Stack Development Engineer Trainee

Dehradun, India
Feb 2020 - Jul 2020

- Devised food delivery application named Omni Food aimed at serving food during Covid-19 global pandemic outbreak situation
- Led a team of six to devise the all-in-one dashboard for service provider to enable or disable restaurants and incorporated data science machine learning model in it to predict popularity of restaurants based on numerous observations

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

Summer Scholar- Big Data Engineer Intern

Dehradun, India
May 2019 - Jun 2019

- Extracted data from websites of top fifty news media and leveraged mapper-reducer techniques to filter up trending specific keywords to analyze the company's social presence and understand the company's product reviews and feedback
- Pre-processed humongous data on Hadoop and utilized data auditing methods prior to data cleansing and data sets preparation
- Guided by senior data base administrators for two months taught the skills to solve issues regarding big data in huge data warehouses

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

Summer Scholar- Data Analyst Intern

Dehradun, India
May 2018 - Jun 2018

- Applied data engineering on oil wells data in particular regions and reported the insights through automation and developing the application.

ACHIEVEMENTS

DIT University Bronze Medal Award and Computer Science Program Gold Medal Award Scholarship Recipient DIT School of Computing Topper

- Received Scholarship & Appreciation from Vice Chancellor Represented DIT University in Tech Fair and displayed my final year ML project to Chief Minister of Uttarakhand, India
- Selected and interned in Social Tech Project to make peoples' life better by participating in All India Roads Safety Campaign organized by [IRSC](#)