

Vipul H Harihar

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EDUCATION

Columbia University

New York, NY

M.S. in Data Science

Sep 2021 - Dec 2022

Honors: Department Representative, Professional & Leadership Fellow, Course Assistant (Algorithms & Analysis), Research Assistant

DIT University

Dehradun, IN

B.Tech. in Computer Science & Engineering, GPA: 9.62 / 10.0 (in Top 2% undergraduate students)

Aug 2016 - May 2020

Honors: Specialization in Big Data Analytics, University Computer Science Program Topper Gold Medalist and Scholarship Recipient

PROFESSIONAL EXPERIENCE

GenTrust Wealth Management Company

New York, NY

Software Engineer Intern

Aug 2022 - Sep 2022

- Worked alongside the company's CTO to enable 5 teams in building and maintaining investment systems for 250+ clients
- Enhanced 300+ clients and investment user's interface and migrated the software tools to AWS for scalability and data ownership for 'Clients' Portfolios' using backend software development and data science techniques

NewYork-Presbyterian Morgan Stanley Children's Hospital, Columbia Medical Centre

New York, NY

Research Assistant and Software Development Intern

May 2022 - Jun 2022

- Research Assistant to Dr. D. Donovan & Dr. Krishnan for developing application for patients with cardiac problems
- Developed secure patient digital passport application within 43 days to avoid chaotic paperwork related to treatment-diagnosis
- Taught another research assistant the tasks of debugging, web development and logical programming

IBM

Bangalore, IN

Application Developer

Feb 2021- Aug 2021

- Managed 2 MySQL databases, queried 5500+ records for IBM client IKEA on monthly basis
- Performed more than 45 bug fixes and resolved data duplication issue on IBM Pre-Accounting Module for the Data Accessibility
- Assisted 3 Senior Software Developers in IBM Sweden in migrating PAM Software to the OpenShift Cloud Platform

Associate Systems Engineer

Jan 2021 - Feb 2021

- Sharpened Software Development Skills on Frontend, Backend and Middleware using Java, JavaScript, Data Structures Algorithms
- Recognized as IBM Golden Employee 2021 and promoted to job role of Application Developer for the project with the client IKEA

Indian Roads Safety Campaign: Solve Foundation, MRTS – Government of India

Dehradun, IN

Policy Intern

Jul 2020 - Dec 2020

- Developed application to classify 75.86 mi² dangerous accident-prone area in Dehradun city using logical-coding development.
- Supervised 6 team members to collect data and conduct data cleaning, and its predictive analytics for the project
- Completed the social community project appreciated by the NGO, Uttarakhand State, India – 'Gramaya Welfare Society'

IBM

Dehradun, IN

Java Full Stack Developer Intern

Feb 2020 - Jul 2020

- Created delivery app using microservices in Spring Boot to solve COVID -19 food crisis for 22 restaurants
- Led 5 interns to code - Web based restaurants statistics dashboard, performs and compute popularity and impressions in 47 days
- Trained the team to perform complex SQL joins on 20 databases that facilitated regression analysis for project

ACADEMIC PROJECTS (All projects available on my [GitHub](#))

- **NYC Department of Design and Construction (Capstone Project):** NY State Windmills ML based materials reusability predictor
- **Columbia University :** Multi-Classification Fraud Detection ML project on credit card transactions for more than 12450 records

SKILLS & TECHNOLOGIES

Programming Languages: Java, SQL, HTML, CSS, R, Python, JavaScript, MySQL

Technological Skills: Software Web Application Development, Agile, GitHub, Jenkins, DevOps, Data Science & Analytics, AWS

Python Packages: NumPy, Pandas, SciPy, Scikit-Learn, Matplotlib, Seaborn, TensorFlow

Data Visualization: Tableau, Power BI, R, Google Data Studio, IBM Cognos Analytics, ggplot2

Certifications: Google Data Fundamentals, IBM Cognos, Microsoft Azure: Cloud Fundamentals and [Professional Licenses](#)

ACHIEVEMENTS

- Received Annual Academic Excellence Scholarships for consecutive 4 years DIT University for being in Top 2% students
- 'IBM Golden Employee 2021' honor received (Annual recognition given to IBM outstanding employees for innovative thinking)
- One of the Quora Top Writers since 2017 with more than 327.8K content views. Elected as best content writer on Creativity