

Vipul H Harihar

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EDUCATION

Columbia University

M.S. in Data Science, GPA: 3.6 / 4.0

New York, NY

Sep 2021 - Dec 2022

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

DIT University

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

Dehradun, IN

Honors: Specialization in Big Data Analytics, Computer Science Program Topper Gold Medal & University Bronze Medal Awards and Scholarship Recipient

SKILLS & TECHNOLOGIES

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

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

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

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 Licences

PROFESSIONAL EXPERIENCE

GenTrust Wealth Management Company

New York, NY

Internship: 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 user's interface for scalability and data ownership for more than \$3 billion trade recommendations based on "Client Risk Profiles" and "Models Portfolio" using backend development and data science

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

New York, NY

Internship: 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 and diagnosis
- Taught another research assistant the tasks of debugging, web development and logical programming

IBM

Bengaluru, IN

Full Time: 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

Full Time: 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, MRTH – Government of India

Dehradun, IN

Internship: 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

Internship: 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](#))

- Columbia University** : Multi-Classification Fraud Detection ML project on credit card transactions for more than 12450 records
- DIT University** : Imaging System for roads defect inspection in hilly regions - web reporting social application
- NewYork-Presbyterian, Columbia Medical Centre** : Secure Web Application for cardiac patients under 7 years

ACHIEVEMENTS

- Received **Annual Academic Excellence Scholarships** for consecutive 4 years DIT University for being in Top 5% 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