

Vipul H Harihar

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EDUCATION

Columbia University

M.S. in Data Science

New York, NY

Dec 2022

Honors: Data Science Department Representative, Professional & Leadership Fellow, Course Assistant (Algorithms)

DIT University

B.Tech. in Computer Science & Engineering

Dehradun, IN

May 2020

GPA: 9.62 / 10.0 (in Top 2% undergraduate students)

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

SKILLS & CERTIFICATIONS

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

Technological Skills: Web Application Development, Machine and Deep Learning, GitHub, Data Analytics, AWS

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

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

Certifications: Google Data Fundamentals, Microsoft Azure: Cloud Fundamentals and 21 Professional Licenses by IBM

PROFESSIONAL EXPERIENCE

Gentrust Wealth Management Company LLC

New York, NY

Software Engineer Intern

Aug 2022 - Sep 2022

- Managed and assisted 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 software tools to AWS for scalability and data ownership for Clients' Portfolios' using backend software development and data science techniques

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

New York, NY

Research Assistant and Software Development Intern

May 2022 - Jun 2022

- Devised secure patient digitally encrypted passport application within 43 days to avoid chaotic diagnosis paperwork
- Hosted application on AWS services within 2 days, making it more accessible by 55 patients for ongoing research study

IBM

Bangalore, IN

Application Developer

Feb 2021 - Aug 2021

- Managed and queried 2 MySQL databases, queried 5500+ records for IBM client IKEA on monthly basis
- Accomplished 45 plus bug fixes, resolving data duplication issue on IBM Pre-Accounting Module
- Built scripts in migrating PAM Software to the OpenShift Cloud Platform with 3 Senior Software Developers in IBM Sweden

IBM

Bangalore, IN

Associate Systems Engineer

Jan 2021 - Feb 2021

- Performed Full Stack Development bug fixes using Java, JavaScript, Data Structures and Algorithms on internal IBM project
- Completed 21 courses on Data Science, Python and Application Development for self-development and studying

Indian Roads Safety Campaign: Solve Foundation, Indian Government

Dehradun, IN

Policy Intern

Jul 2020 - Dec 2020

- Developed reporting tool to classify 75.86 mi dangerous accident-prone area in Dehradun city
- Supervised 6 team members to collect data and conduct data cleaning, and its predictive analytics for social project
- Completed social community project during Covid - in 5 months and helped an NGO to operate and help local residents

IBM

Dehradun, IN

Java Full Stack Developer Intern

Feb 2020 - Jul 2020

- Created food delivery app in Spring Boot to solve COVID -19 food crisis for 22 restaurants
- Led 5 interns for creating statistics based dashboard using regression models in 47 days
- Trained the team to perform complex SQL joins on 20 data tables facilitated regression analysis for project completion

AWARDS

- 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

PROJECTS

NYC Department of Design and Construction- Capstone Project

Sep 2022 - Dec 2022

- Led a team of 6 to develop 8+ proactive approaches to repurpose 223+ wind blades in NY state using Data Science Research

Columbia University - Academic Projects

Sep 2021 - Dec 2022

- Trained and Deployed Multi-Classification Fraud Detection model on credit card transactions for more than 12454 records
- Devised Sentiment Analyzer and Emotion Detector on 1.1 TB data to play song on detected mood based on Deep Neural Network