

Vipul H. Harihar

+1(917) 214-5091 | vhh2105@columbia.edu | github.com/virslaan | [LinkedIn/vipulhharihar](https://www.linkedin.com/in/vipulhharihar) | [Portfolio](#) | [Certifications/vipul](#)

CAREER PROFILE

Results-oriented efficient collaborative professional with over 3 years of experience in full-stack development and cloud technologies. Skilled in delivering high-quality software solutions. Committed to efficient and user-friendly deliverables to cater real-world needs.

SKILLS & CERTIFICATIONS

- Development: Java, Python, JavaScript, React, Node.js, Backend APIs, HTML, CSS, SQL, MVC architecture and Flask
- Technical Skills: Algorithms, Data Structures, Logic Development, Planning, Reporting, Linux, AWS, and DevOps
- Data Science: Regression, Classification, Random Forests Machine Learning Models, Sampling, NLP, Image Processing
- Data Visualization: Matplotlib, Seaborn, ggplot2, plotly.js, Power BI, IBM-Cognos and Tableau
- Certifications: IBM 24 Data Science Certifications, Microsoft Azure Cloud Fundamentals, Google Data Analytics

PROFESSIONAL EXPERIENCE

GenTrust LLC

New York, NY

Software Engineer (formerly Software Engineer Intern)

Aug 2022 - Present

- Optimized GenTrust's Investment Platform by streamlining AWS infrastructure over a 4-month period, boosting scalability, and increasing security for more than 350 clients, completing the project 2 months prior to deadline
- Devised a robust feature for trade error detection, resulting in significant time savings of 2.5+ hours daily for Compliance
- Created automated weekly reports for 12 Advisors, eliminating manual labor and enhancing Advisor-Clients monitoring

NYC Department of Design and Construction

New York, NY

Data Science Research Fellow - Capstone Project Lead

Sep 2022 - Dec 2022

- Utilized 5 GB geospatial data to design statistical models to predict carbon emissions to repurpose wind turbine blades
- Supervised 5 members team to build application to report carbon footprints and dynamic dashboard to access predictions
- Demonstrated proficiency in AWS DevOps by successfully hosting the application on cloud infrastructure in 8 days

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

New York, NY

Data Engineer Research Assistant

May 2022 - Jun 2022

- Engineered secure medical passport for 79 cardiac-research patients, leveraging encryption for confidentiality
- Led software development initiatives, mentoring 3 research assistants in coding and SQL querying for application

IBM

Bangalore, IN

Application Developer (formerly Associate Systems Engineer)

Jan 2021 - Aug 2021

- Collaborated with IBM Sweden and played a key role in the migration of the pre-accounting module to RedHat cloud infrastructure, contributing to significant cost reduction of 33% within 5 months
- Streamlined data flows and saved 3 hours by resolving thousands of data redundancy issues in pre accounting module
- Completed 23+ Data Science courses in 32 days, earning recognition as an IBM's Golden Employee Award in 2021

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

Dehradun, IN

Data Science Engineer Intern

Jul 2020 - Dec 2020

- Empowered the safety of over 16,000 commuters by devising a road safety application for a non-government organization
- Managed a team of 5 in developing real-time data-driven predictive models to identify 7 accident-prone areas in the city

IBM

Dehradun, IN

Java Full Stack Developer Intern

Feb 2020 - Jul 2020

- Developed Spring Boot-based food delivery app for 29 restaurants, addressing the food crisis during the Corona pandemic
- Spearheaded 6 members team for creating app's dashboard, utilizing RDBMS expertise for accurate regression analysis

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

Dehradun, IN

Summer Scholar - Big Data Engineer Intern

May 2019 - Jun 2019

- Scraped open-source data from 5 news websites using Python's packages for 2GB keyword filtering to extract insights
- Performed big data processing on Hadoop for 39 days to extract insights enabling the media team to publish targeted posts

EDUCATION

Columbia University

New York, NY

M.S. in Data Science, GPA: 3.6/4.0 (Top 5% of all students)

Dec 2022

Courses: Algorithms, Applied Machine Learning, Deep Learning, Computer Systems, Data Analytics & Visualizations

Honors: Department Representative, PDL Fellow, Best Data Science CA Award 2022 & 2023, Golden Graduate Marshal 2023

DIT University, School of Computing

Dehradun, IN

B.Tech. in Computer Science & Engineering, GPA: 9.62/10.0

May 2020

Specialization in Big Data Analytics

Courses: Software Engineering, Artificial Intelligence, Relational Databases, Data Science, OOP, Engineering Mathematics

Honors: Computer Science Topper Gold Medal, University Bronze Medal 2020, Annual Academic Excellence Scholarships