

Vipul H Harihar

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EDUCATION

Columbia University

Master of Science in Data Science

GPA: 3.57 / 4.0

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

New York, NY

Dec 2022

DIT University

Bachelor of Technology in Computer Science & Engineering with specialization in Big Data Analytics

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

Honors: Computer Science Program Gold Medalist, University Bronze Medalist, Annual Academic Excellence Scholarship Recipient

Dehradun, IN

May 2020

PROFESSIONAL EXPERIENCE

GenTrust LLC

Software Engineer Intern

- Assisted the CTO in managing 5 teams to develop and maintain investment systems for over 250 clients

- Improved the user interface for 300+ clients and investment users, and migrated software tools to AWS to increase scalability and enhance data ownership for clients' portfolios through effective software development and data science methods

New York, NY

Aug 2022 - Dec 2022

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

Research Assistant and Software Development Intern

- Designed a secure digital patient passport application with encryption in 43 days to streamline diagnosis documentation

- Rapidly deployed the application on AWS services in 2 days, increasing accessibility for 55 patients participating in research study

New York, NY

May 2022 - Jun 2022

IBM

Application Developer

- Proficient in managing and querying databases, with experience in MySQL and querying over 5500 records for a client project

- Successfully resolved data duplication issues by fixing over 45 bugs in the IBM Pre-Accounting Module

- Collaborated with a team of 3 senior software developers in IBM Sweden to migrate a software platform to the OpenShift Cloud

Bangalore, IN

Feb 2021 - Aug 2021

IBM

Associate Systems Engineer

- Executed full-stack development tasks, data structures and algorithms, resulting in 9+ bug fixes on multiple internal projects at IBM

- Proactively invested in professional development by obtaining 21 training certifications in Data Science, Application Development

- Demonstrated exceptional performance and leadership qualities, leading to a promotion within the 1st month of employment at IBM

- Demonstrated leadership by effectively supervising a team of 6 members to collect, clean, and analyze data for this social project

Bangalore, IN

Jan 2021 - Feb 2021

IBM

Java Full Stack Developer Intern

- Designed and developed a food delivery app using Spring Boot to alleviate the COVID-19 food crisis for 22 restaurants

- Provided leadership and direction to a team of 5 interns in creating a statistics-based dashboard with regression models in 47 days

- Mentored the team in performing complex SQL joins on 20 data tables and executed regression analysis for project success

Dehradun, IN

Feb 2020 - Jul 2020

Oil & Natural Gas Corporation Limited

Summer Scholar – Big Data Engineer Intern

- Scraped open-source data from 5 news websites using Python scripts, and applied filters to track trending keywords by Map-Reduce

- Pre-processed big data on Hadoop and utilized BigQuery (GCD) for 39 days to gain insights into oil and related news in the media.

Dehradun, IN

May 2019 - Jun 2019

SKILLS & CERTIFICATIONS

Programming Languages: Java, Python, SQL, R, JavaScript, HTML, CSS, C & C++

Technological Skills: Software Engineering, Machine and Deep Learning Models Deployment, GitHub, Data Analytics, AWS

Frameworks: Model-View-Controller, Spring Boot, Flask, React, Angular

Databases: MySQL, NoSQL, Oracle, DB2

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

PROJECTS & EXTRA CURRICULAR

NYC Department of Design and Construction - Capstone Project ([Access the application here](#))

Aug 2022 - Dec 2022

- Led a team of 6 in developing 8+ proactive approaches to repurpose 223+ wind blades using data science research

- Developed a Streamlit web application with 3 tools showcasing domain research findings using machine learning models

Columbia University - Academic Projects ([Access the project presentations](#))

Sep 2021 - Dec 2022

- Trained and deployed Multi-Classification Fraud Detection model on 12,454 credit card transactions

- Created Sentiment Analyzer and Emotion Detector on 1TB data using Deep Neural Networks to play songs based on detected mood

Indian Roads Safety Campaign: Non-Government Organization – Policy Intern

Jul 2020 - Dec 2020

- Successfully developed a dynamic reporting tool to classify 75.86 square miles of dangerous, accident-prone areas in Dehradun city

- Completed during the COVID-19 pandemic within 5 months, contributing to the efforts of an NGO to support residents