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, 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, Agile, GitHub, Jenkins, DevOps, Data Science & Analytics, 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 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**
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   **Bangalore, 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)

· **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
· **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 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