Vipul H Harihar

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EDUCATION

Columbia University   **New York, NY**
M.S. in Data Science, GPA: 3.541 / 4.0   Sep 2021 - Dec 2022
Honors: Department Representative, Professional & Leadership Fellow, Course Assistant (Algorithms and 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
Technological Skills: Web Application Development, Data Analytics, Agile, SDLC, GitHub, Jenkins, DevOps, Data Science and Software Development
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 Certifications

PROFESSIONAL EXPERIENCE

NewYork-Presbyterian Morgan Stanley Children's Hospital, Columbia Medical Centre   **New York, NY**
Internship: Research Assistant and Software Development Intern   May 2022 - June 2022
  · Research Assistant to Dr. D. Donovan & Dr. Krishnan for developing application for children under 7 years 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 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
  · Completed training on 'Advanced Technologies' in less than 32 days and became IBM Golden Employee 2021 and promoted to Application Developer on 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 more than 20 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.

ONGC, Ministry of Petroleum and Natural Gas, Government of India   **Dehradun, IN**
Internship: Summer Scholar - Big Data Engineer Intern   May 2019 - Jun 2019
  · Scraped open-source data using beautiful soup Python packages on 5 news websites and leveraging trending keywords.
  · Pre-processed big data on Hadoop and used BigQuery (GCD) for 47 days to get insights on oil and its relevant insights from data.

ACADEMIC PROJECTS AND ACHIEVEMENTS (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.
  · 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.