

RISHABH JAIN - Graduate Student NUIG, MSc. Data Analytics

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Work status: No visa/immigration support required until 2022

PROFILE:

Skilled data analyst. Currently pursuing a master's in data analytics at NUIG. Confident in communicating and circulating information. Effective in dealing with problems and coming up with creative solutions. Organized and timely in managing the work. Leadership experience with excellent networking quality. Looking to earn tenure within the domain of Data Analytics.

TECHNICAL SKILLS:

- Languages: SQL, R, Python 2.7/3.6, C, C++, C#, Advanced Java Tools, HTML, CSS, Javascript.
- BI: MS Excel, Jupyter Notebook, Tableau, Salesforce, Minitab.
- Databases/ETL/Integration: MySQL, SQL Server, Oracle, Spark, MongoDB.
- Analytical techniques: Regression, Classification, Clustering, Forecasting, Neural Networks, PCA, SVM, CNN.
- Machine Learning Libraries: Pandas, NumPy, SciPy, Sklearn, Seaborn, Tensorflow, Keras, pyTorch, Matplotlib, ggplot2, tidy, dplyr, OpenCV, Docker, Kubernetes, dlib, face_recognition
- Cloud: AWS EC2, Google Cloud Platform, Microsoft Azure
- Software's: RStudio, Anaconda, Pycharm, Spyder, Jupyter, Netbeans, Eclipse, Visual Studio, Unity, VMware

SOFT SKILLS:

- Teamwork: Learnt to work in team by working in groups for various projects in masters and bachelor's education. Also gained teamwork experience by working on a project in a team of five as a software development intern at Momentum software.
- Communication: Excellent communication skills developed through teaching, mentoring and volunteering. Developed communication skills by giving presentations during masters and bachelors education.
- Leadership: Working at NGO's, teaching and volunteering through Rotaract and AIESEC has led me to achieve excellent leadership qualities.
- Research: Completing numerous projects in master's degree and various courses on coursera has led me to have enhanced critical, computer and research skills.
- Problem Solving: Built ability to solve problems by taking an analytical and systematic approach, demonstrated through various technical projects, codeathons, hackathons, Kaggle competitions and online courses.
- Languages: Full professional proficiency in English, native/bilingual proficiency in Hindi, and conversational proficiency in Spanish.

WORK EXPERIENCE:

JAN 2020 – APRIL 2020, *Teaching Assistant and Marker*, National University of Ireland, Galway, Ireland.

- Lab Assistant for the course: Object-Oriented Software Design and Development, Object-Oriented Programming II, and, Computer Network and Data Communications.
- Responsible for teaching lab work to students and solving their queries.
- Evaluating assignments and exams.
- Teaching languages include Java, JSON, SQL, XML, Linux, Terminal, Script, Shell, and C#.

APR 2018 – JUL 2018, *Data Engineer Trainee*, Enbake Consulting, New Delhi, India.

- Engineered middleware of an application that geocodes addresses using Python.
- Technologies include NodeJS, Python API's and Google Cloud platform.
- Data Mining and Data Modelling.
- Developed networking and communication skills by working in a cross functional team.

AUG 2017 – AUG 2018, *English Language Teacher, Content Writer and Editor, Rotaract Club, Vellore, India*

- Prepared course materials and assignments for the children at different NGO's.
- Teaching English and Maths to underprivileged children during weekends.
- Developed Leadership qualities through teaching and mentoring.

MAY 2017 – JUL 2017, *Software Developer Intern, Momentum Software, New Delhi, India*

- Debugging software to make it compatible with new hardware.
- Developed a music player and song trimmer in a team of 5 interns for the client.
- Technologies include Java, Java file handling and swings, MySQL, HTML, and Javascript.

DEC 2016 – JAN 2017, *English Language Teacher, Resala Charity Association, Cairo, Egypt*

- Four weeks long internship in Egypt to promote UN sustainable development goals.
- Initiated, facilitated, and moderated classroom discussions for the students at Resala.
- Prepared course materials such as syllabus, homework assignments, and hand-outs.
- Built strong networking skills by working with interns from all over the world.
- Developed leadership qualities by working with children at Resala Charity Association

EDUCATIONAL QUALIFICATION:

- **SEP 2019 – AUG 2020, *MSc Data Analytics, National University of Ireland, Galway, Ireland (Expected 1.1 Honours)***

Modules: Machine Learning, Deep Learning, Natural Language Processing, Applied Regression, Data Visualization, Web and Network Science, Case Studies in Data Analytics, Information Retrieval, Applied Statistics, Programming in Data Analytics (includes R and Python).

- **JUN 2015 – MAY 2019, *B.Tech in Computer Science Engineering with specialization in Bioinformatics, VIT, Tamil Nadu, India (CGPA: 8.73 equivalent to 1.1 Honours)***

Modules: Data structures and algorithm, Database Management System, Social and Information Network, Operating Systems, Image Processing, Data Mining, Cyber Security, Software Design and Development, Applied Linear Algebra, Computer Architecture and Organization, Object Oriented Programming with C#, Python, Network and Communication, Internet and Web Programming, Internet of Things, Genomics and Proteomics, Discrete Mathematics and Graph Theory, Data Mining, Content Based Image and Video Retrieval, and Lean start-up Management.

- Client Relationship Manager at AIESEC in VIT
- Final year thesis – Patient Health Monitoring System, and Detection of Atrial Fibrillation, Fall and Air Pollutants using IoT Technologies.

CERTIFICATION:

- Introduction to Cyber Security Specialization – Coursera | New York University | May 2019
- Machine Learning with TensorFlow on Google Cloud Platform Specialization – Coursera | Google Cloud | June 2018
- Python for Everybody Specialization – Coursera | University of Michigan | May 2018
- Deep Learning Specialization – Coursera | DeepLearning.ai | April 2018
- Technology Training with projects TCS: Core JAVA | Tata Consultancy Services | June 2017

PUBLICATIONS:

1. Rajaseskaran, Rajkumar & Jain, Rishabh & M., Sruthi. (2020). Patient Health Monitoring System and Detection of Atrial Fibrillation, Fall, and Air Pollutants Using IoT Technologies. DOI: 10.4018/978-1-7998-1090-2.ch010.

HOBBIES:

- Photography, reading books and bike riding.
- Learning different languages.
- Volunteering – such as Macnas Halloween Parade, Galway 2020, Rotaract, AIESEC.

REFERENCES:

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(Additional references on request)

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