SIMRAN SINGH GULATI

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EXPERIENCE

National University of Singapore, Singapore - Academic Intern - June 2018
- Analysed Big Data using *Artificial Neural Networks* in Python.
- Attained an *accuracy of 90.7%* using ML to mine over 1 million movie-review records in a Kaggle contest.
- Earned a *Letter of Evaluation from Dr. Tan Wee Kek, Senior Lecturer* along with *Certificate of Completion*.
- Awarded Grade A for my contribution and achievements.

Hewlett Packard Enterprise, Singapore - Trainee - June 2018
- Executed a range of Hadoop Administration projects*:*
    - Installed *Hadoop* via a quick-start image on a docker and executed queries to find the most used words in a given Shakespeare text.
    - Implemented *HiveQL* to rank the most popular movie genre in MovieLens's public review dataset.
    - Instated *Cloudera* on Linode to find most visited Wikipedia pages for a randomly selected hour.
- Reviewed *Spark* programming and adding spark-services via *Ambari*.

Data Resolve Technologies, Delhi - Summer Intern - June 2017
- Constituted organisation's *White Paper* centred around Employee Monitoring and Information Security.
- Developed a *blog series* about the benefits of Cyber Intelligence reporting.
- Composed daily *infographics* in collaboration with graphic-designer for constant brand engagement.
- Directed a *video* to explain malicious employee behaviour and how to restrict associated data leaks.

EDUCATION

SRM Institute of Science & Technology, Chennai - May 2019
B.Tech (ABCT Accredited) - Information Technology : 80.67%
- Only student from IT department to be selected for Global Academic Internship Programme at NUS for Summer 2018.
- Explored a wide spectrum of elective subjects like Statistics, Python (Full Stack), Big Data, Virtualisation, Management Information Systems (MIS), Information Security & Assurance and Cloud Computing in addition to core subjects for IT.
- Worked on a variety of *multidisciplinary* projects:
    - Forecasted cryptocurrency prices using *Long Short Term Memory* networks in Python. **(6 Month Research)**
    - Mined movie-reviews using *Naive Bayes* in R.
    - Built web portal for college to report items lost and/or found on campus, using *bootstrap* and *animate.css* for UI and *PHP* for server-side.
    - Assembled an online library management tool to browse, categorise, search and add new books, based on *HTML/CSS, JavaScript* and *PHP.*
    - Created a web application using HTML/CSS to share academic material such as notes and projects.
    - Developed a *chat application* by binding *sockets (network programming)* to graphical interface in C.
- Represented Coding Blocks as campus ambassador in senior year.

University System of Georgia, Online - April 2019
Specialisation - Cybersecurity : 97%
- Completed four certifications authorised by University System of Georgia, offered via Coursera:
    - Cybersecurity and Mobility
    - Cybersecurity and the IOT
    - Cybersecurity and the X Factor
    - The Business of Cybersecurity Capstone
- Submitted a report on Information Security Management as a graded project.

Bal Bharati Public School, New Delhi - May 2015
Senior Secondary (Class XII) - Science : 78.8%
Secondary (Class X) : 9.20/10

PUBLICATION

www.thetechsingh.com
- Built a tech-blog wherein I solely handle the development and maintenance of code.
- Published over 15 articles centred around information security and 6 blogs showcasing my academic projects.
- Encompassed a community of over 200 organic readers.
- Monetised the website using Google AdSense and Amazon Affiliate Marketing.
- Established a social media reach across the major platforms.