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 11 lakh 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 three Hadoop 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 such data leaks.

EDUCATION

SRM Institute of Science & Technology, Chennai - May 2019
B.Tech (ABCT Accredited) - Information Technology : 80.05%
- 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, 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.
  - 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, Delhi - May 2015
Senior Secondary (Class XII) - Science : 78.8%
Secondary (Class X) : 9.20/10

PUBLICATION

www.thetechsingh.com
- Created a tech-blog wherein I solely handle the development and maintenance of code.
- Published over 15 articles centred around raw data and information security.