

**INSTITUTE OF SYSTEMS SCIENCE**

**Master of Technology**

Dear Applicant

Please complete the form as accurately and as clearly as possible. No space should be left blank. Kindly use “N/A” for information not applicable. Please note that information not clearly stated/submitted will result in an incomplete form which will not be processed.

Please upload your completed form to: <https://inetapps.nus.edu.sg/gda2/Home.aspx>

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| Name: *(As shown on your NRIC/Passport and underline surname.)* ***PREM VISHNOI*** | | | | | | | |
| **OTHER INFORMATION** | | | | | | | |
| List computer-related training programmes/short courses attended. | | | | | | | |
| Organised by | | Name of Course | | Date *(mm/yy)* | | Duration | |
| 1. ISAC Software Academy 2. Exilant technologies 3. Big Data Training   Python for Data Science and Machine Learning Bootcamp   1. Data Analysis with Python & Pandas 2. Deep Learning Prerequisites: The Numpy Stack in Python 3. Continue Intro to Machine Learning? 4. Hadoop, Pig, Hive, HDFS and Spark   . | Data Structure, Core Java & basics of Servlet and JSP, MYSQL and real time Project  Company Internal training its include Basic Unix script, Informatica, Business Object, Oracle PL/SQL and Teradata  Hadoop, Map Reduce, ,Pig ,Hive, Ozzie  Udemy Data Science and Machine Learning using Python  Linear Regression  Logistic Regression  N near Neighbour  Decision Tree and Random forecast  Support vector Machine  K means clustering  Python Pandas and File operation  Python Numpy courses    Machine Learning(Naive Bays,SVM, Decision Tree  Regression and Clustering)  Big Data Course | | 08/10  02/11  12/16  01/16  03/16  04/17  06/14 | | 4 Months  2 Months  4 Months  1 Month  1 Month  6 months  2 weeks | |
| List any scholarships, prizes or awards received :  1.Opertunity to Hack at PayPal 2015  2.Altimetrik hackathon Participation | | | | | | | |
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| Describe below your computer experience. | | | | |
| Computer | Operating System(s) | Programming Languages | Years of Use | Date Last Used  *(mm/yy)* |
| 1. Big Data, 2. Spark 3. RDBMS 4. HDFS | MacOS  Winodos  Linux | Unix Shell, Python  SQL, Scripting, JAVA | 6  6 | 06/17  05/17  06/17 |
| **For all applicants:** Describe your job experiences and projects undertaken during the last 5 years.  **1. Project**: SAIL-AML**, March 2016 – Till Now(**  **Standard Charted bank (**<http://www.sc.com/sg>) Optimum Solution  **Role: Sr. Big Data Consultant**  **Description:**To Build Hadoop platform for Anti money laundry(AML) activity  **Responsibility:**   * Primary responsibilities include building scalable distributed data solutions using Hadoop ecosystem * The Hive tables created as per requirement were Internal or External tables defined with appropriate Static and Dynamic partitions, intended for efficiency * Developed Simple to complex Map/reduce streaming jobs using Python language that are implemented using Hive. * Experience with Oozie Workflow Engine in running workflow jobs with actions that run Hadoop Map/Reduce * Proposed an automated system using Shell script to Sqoop the data.   **Achievements and Contribution**:   * Learn new technologies in short period of time. * **Technologies Used:** Python, Hadoop, MapReduce, HDFS, Hive, Sqoop, Oozie, Spark   **2.** Project**:** Enterprise Data Lake, Sep 2015 – March,2016  DBS ([**http://www.dbs.com/sg**](http://www.dbs.com/sg)**) Apar Technologies**  Role: Big Data Developer  Description:  To Build Hadoop platform and implement Consumer Banking data into Hadoop and create Enterprise Tables in Hive and real time data load from IBM MQ using flume.  Responsibility:   * Implemented end to end data lake in Hadoop eco System. * Designed framework for Hadoop Process to have SCD2 data. * Loaded the customer profiles data, customer claims information and billing information etc. into HDFS using Sqoop and Flume * Worked on streaming the data into HDFS from web servers using Flume * Worked extensively with Sqoop for importing and exporting data from TERADATA into HDFS and Hive. * Worked with Flume, Hive, Map Reduce and Sqoop   Achievements and Contribution:   * Developed hadoop framework to load data into hive tables. * Technologies Used: Hadoop, Hive, Sqoop,teradata, Unix and HUE, Flume   **3. Project:** Enterprise Data (Horizontal under data technologies), June 2014 – Aug 2015  PayPal ([http://www.paypal.com](http://www.exilant.com/))  Role: Senior Software Engineer   * Description: * To integrate Customer, payment and Payment flow data from various sources to EDW. * Responsibility: * Developed Several BTEQ and TPT scripts to load data into EDW * Used new software Development Model-Agile (Kanban) * Have worked on 15 User Story and deployed successfully in the Production. * Have resolved 10 Bugs in EDW. * Achievements and Contribution: * Created Generic Process to History load data using BTEQ and UC4 * Technologies Used: Teradata Utilities, UNIX Script, UC4,Hadoop , Hive and Pig   **Project: Runner Reporting June 2011 – May 2014**  **Client: Apple Inc. CA (**[**http://www.apple.com**](http://www.apple.com)**) Exilant Tech**   * Role: Software Engineer   Description:   * Runner is an Apple Store retail application that is setup on the POS device and is also integrated with the Easy Pay device as a library. It is primarily used by store employees to create runner requests to retrieve products from retail remote storage or Back of House (BOH) to Front of House (FOH) and vice versa. * Environment: - UNIX, Teradata, and UNIX shell scripts and data modeling SVN | | | | |
| **For MTech SE/KE/EBAC applicants only**: State your professional objectives for pursuing the Masters course and describe your plans after completing this course.  I always wanted to do MS from good Collage and since NUS is the best University in South East Asia  I would like to be the best Data Scientist and this course would help me to fulfil my goal and dream and i want to contribute in data science. | | | | |
| **For MTech ITL applicants only: (complete the following application essays on separate sheets):**   1. Introduce yourself beyond what is already provided in the application form. Why should we consider your application? How can you contribute to members of your class and to this NUS programme? *(500 words or less)*.   I am good in maths and programming, infact i have got 90% marks in math.  I have done data science and spicy course as well.  I am good in programmer and this program would help me to understand the data science term.  Whenever i learn will discuss with my collage and that we can implement in NUS.  I am also motivational person so this will help to motivate my team member as well and get good name NUS as well.   1. Tell us about your short-term and long-term career goals. What are your areas of weaknesses and strengths, in terms of competencies and personal characteristics, which will affect the accomplishment of your goals? In what way will this programme help you? *(500 words or less)*.   My short term goal is to work in filed of data science and analytics and I want to participate in the growth and success of the company I work for.  I would like to start a saving plan, a retirement plan, an investment account.  My long term goals are to earn new responsibilities within the company,  ultimately reaching higher positions as they open and helping the company succeed in the long term  Adding as much value to as many lives.  Working on life extension and longevity.  Working on health.  Investing smartly and working on finance.  Having a world class network of friends and family.  would love to see myself to be an integral part of senior management in a business organization where  I can take decisions having bigger impact on the company’s operations and execute my suggestions and ideas to enhance the company growth with the right perspective.  I would like to have a strong hold on my Software Engineering Knowledge of every other fields as well.  My objective is to decisively lead it with competence, add value to it and help  My long term goal is i want to become top 10 data science and this program will help to achieve my goal.  My weakness is some time i want to complete task in sample when client assign the task. | | | | |
| **For all applicants:** Describe the three most significant achievements in your career to date.  (1) Getting Job in Singapore is the biggest achievement as son of farmer. | | | | |
| (2) Working with the biggest client in the my experience was the my biggest exp,  (3) I give my full energy to which hire me is my achievement.  (4) Accept myself, glad to be myself, try my best to be a better me. | | | | |
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| **For all applicants:** Have you ever had, or are you suffering from any of the following? *(Please tick* *appropriate box)*   * Communicable disease?  Yes  No * Mental illness?  Yes  No * Colour blindness?  Yes  No * Disabilities (including but not limited to chronic illness, visual or other physical constraints or limitations)?    Yes  No   If you answer “yes” to any of the above, please give details:  **For all applicants:** Please indicate the city in which you:  Graduated (1st Degree) : \_\_City:Johpur, State Rajasthan, Country India\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Worked (Last job) : \_\_\_\_\_\_Big Data Consultant \_\_Singapore\_\_\_\_\_\_\_\_\_\_  **MTech SE/KE/EBAC applicants only:** Please indicate your Preferred Entrance Test Location. (Select one only)   |  |  |  | | --- | --- | --- | | Singapore | Guangzhou, China | Chennai, India | | Beijing, China | Shanghai, China | Mumbai, India | | Chengdu, China | Bangalore, India | New Delhi, India |   *\*NUS-ISS reserves the right to change the preferred test location.*  **For all applicants:** How did you learn about this programme?   |  |  | | --- | --- | |  | Company mailer | |  | Press advertisement *(please specify the newspaper & advertisement date)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* | |  | Recommendation from colleagues, supervisors, friends, relatives | |  | Internet/Social media *(please specify the website)* \_\_\_Google\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  | Agency *(please specify, eg. name of agency)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  | Exhibition *(please specify, eg. name of exhibition, place)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  | Others *(please specify)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  | | --- | --- | | **COMPANY INFORMATION (for part-time applicants only)** | | | Company Name : *(Name of current employer)*  Optimum solutions Singapore | Contact Tel No. :  94893790 | | Company Address :  1 Changi Business Park Crescent,  Plaza8 @ CBP  #03-09 to #03-12, Podium B  Singapore 486025  Tel: +65 62360070  Fax: +65 65351334  solutions@theoptimum.net | Phone: 66325967  Tel: +65 62360070  Fax: +65 65351334 | | Do you expect to be in full time employment while attending the Masters?  *(Please tick* *appropriate box)*   Yes  No  If No, please give details of your expected employment | | | | | | |