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| *New Delhi, India*  *Bangalore, India*  *+91 9899 469 686*  *+91-8447 742 770*  [*nishi.in@gmail.com*](mailto:nishi.in@gmail.com) | Nishant Agrawal  Technical, Solution, and Data Architect | [*github.com/root-nishi*](https://github.com/root-nishi)  [*linkedin.com/in/agrawalnishant*](https://linkedin.com/in/agrawalnishant)  [*twitter.com/\_r00t\_*](https://twitter.com/_r00t_) |

Have 12 years of experience in analysis and design of J2EE technical solutions, data engineering, and pre-sales consulting.

Technical Skills

(Expert in underlined tech.)

* *Languages*: Java, JavaScript, Python, Pandas, Numpy and PLSQL
* *Frameworks*: TensorFlow, Scikit-Learn, Pandas, Numpy, Spring, MV\*, JPA, Hazelcast, Lucene / SOLR
* *DB / Servers*: MongoDB, Oracle, Postgres, MySQL, JBoss, Weblogic, Apache, Tomcat
* *Others*: Docker, JMS, ActiveMQ, Git, SVN, Docker / Vagrant, Enterprise Architect, Visio, Graylog, Logstash
* *Domains:* B2B, Insurance, Travel, Logistics, CRM, Asset Management, Healthcare

Recent Projects

***Recognize Sequence of Numbers from Images*** *Udacity | Aug. 2015 – present*

*­(Git:* [*http://bit.ly/svhnAWS*](http://bit.ly/svhnAWS)*) – TensorFlow, Jupyter, Python*

* Deep Convolutional Neural Network, on AWS EC2 GPU instances, to identify sequence of numbers.
* Tune Stochastic Gradient Descent using rate decay and dropout.
* Tune best prediction model for performance and achieve accuracy of 91.2%.

***Recognize handwritten characters*** *– TensorFlow, Jupyter, Python Udacity | Jun. 2015 – July, 2015*

*(Git*: [*http://bit.ly/tfdnn5d*](http://bit.ly/tfdnn5d))

* Train a Deep Neural Network to identify handwritten digits.
* Tune Stochastic Gradient Descent using rate decay and dropout.
* Tune best prediction model for performance and achieve accuracy of 96.2%.

***Lufthansa Crew Briefing-*** *Java8, Spring Boot, Mongo, Angular, Docker Nagarro | Dec. 2015 – present*

*(Source Code is confidential)*

* Code frameworks and complex modules.
* Design technical solution based on NFRs.
* Work with Product Owners, Business Analysts, and Client Architects.
* Implement performance measurement and unit testing components.
* Review code and test cases.
* Tune application to handle 15 threads-per-second.

***Prediction for Student Intervention*** *- Scikit Learn, Python Udacity | Nov. 2015 – Jan. 2015*

*(Git:* [*http://bit.ly/gitdsmlndsi*](http://bit.ly/gitdsmlndsi)*)*

* Analyze problem domain and select data for modeling the solution.
* Pre-process data and prepare analysis models for prediction.
* Tune best prediction model for performance and achieve accuracy of 87%.

***B2B Logistics Portal Upgrade -*** *Pre-sales, EA, Visio, AngularJS Nagarro | Oct. 2015 – Dec. 2015*

* Published research report comparing DHL’s legacy online system with industry competitors.
* Spearheaded design efforts to unlock business potential.
* Achieved cost savings of 25% over a period of 3 years, with the proposed technical solution.

***Crew Meals Management*** *- JDK 7, Spring 4, Red Hat EAP 6.3, Hazelcast Nagarro | Sep. 2014 – Nov. 2015*

* Reduced meal-related ground-air communication traffic by 70%, and designed a hassle-free system for crew.
* Mentored development team during implementation, testing, integration, and delivery phases.
* Tuned application for 20 Threads-per-second, and achieved a response time of under 350 milli-secs.

***Trade Automation*** *- JDK 7, Spring 3, Esper, ActiveMQ, Hibernate Sapient | Sep. 2012 – Aug. 2014*

* Automated trading of Fixed Income instruments for a buy-side Asset Management Company.
* Managed a development team of 9 engineers, to integrate with trading desks and FX systems.

Work Experience

***Nagarro -*** *Technical Architect Gurgaon, Frankfurt | Sep. 2014 – present*

* Accomplish excellent code quality and performance, by mentoring technical teams.
* Improve efficiency of ramp-up, proof-of-concepts, implementation, and delivery, by formalizing models.
* Boost sales-conversion with better technical solutions and cost estimates.

Work Experience (contd.)

***Sapient Consulting*** *- Manager Technology Gurgaon | Sep. 2012 – Aug. 2014*

* Designed and delivered Fixed Income Trading Automation project.
* Contributed individually, mentored, and appraised dev team, and hired cross-functional teams.
* Amplified transactional performance with better design patterns, algorithms, and data structures.

***Infogain -*** *Assistant Consultant Noida, San Diego | Oct. 2008 – Aug. 2012*

* Designed and delivered a defect-free, TDD-based Auto Insurance project for Progressive, before target date.
* Managed two J2EE integration agile projects while managing team of 6 engineers.
* Executed scrum, and authored design artifacts, development plan, estimation, performance tuning.

***CoreObjects (Symphony) -*** *Product Engineer Noida | Oct. 2007 – Sep. 2008*

* Managed a team of 3 development and QA engineers.
* Owned technology selection, requirement analyses, design, development, and code review.
* Coordinated with geographically dispersed teams across Europe, USA, and India.

***Computer Sciences Corp.*** *- Sr. Software Engineer Noida | Mar. 2006 – Sep. 2007*

* Development engineer on Infrastructure team responsible for development of reusable J2EE components.
* Delivered enterprise integration framework for healthcare product and highly concurrent system for healthcare product of DST Healthcare Systems.

***Infogain -*** *Software Engineer Noida | Jan. 2004 – Mar. 2006*

* Worked with Imaging and Printing Group (Hewlett Packard) to provide integration solutions for CRM.
* Developed a distributed secure J2EE applications and worked to port / refactoring / tune performance of existing applications.

Education

***Udacity*** – Machine Learning Nano Degree. *(In-progress)*

***Coursera*** – Machine Learning - Stanford Univ. *(July, 2015)*

***MongoDB Univ.*** – MongoDB for DBAs. *(Sep. 2015)*

***Aligarh Muslim Univ.*** – Master of Comp. Sc. and Applications. *(76%, July 2004)*

***Aligarh Muslim Univ.*** – Bachelor of Physics (Honors). *(66%, July 2001)*

Awards and Certifications

* **Employee of the Month.** *(Nagarro, 2015)*
* Award for **relationship building**. *(Sapient, 2013)*
* **Most Valuable Player**, Mitchell International, US. *(Infogain, 2010)*
* **Best Employee** at Core Objects and Infogain. *(2008 and 2004)*
* **LOMA 280** certified. *(2007)*
* Scrum Alliance certified **Scrum Master** (Scrum Alliance). *(2011)*