Nandini Goswami

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Education

Indiana University, Bloomington, IN, United States	August 2016-May 2018

Master of Science in Computer Science
Major courses: Algorithm and design, Applied Machine learning, Big Data Applications and Analytics

Oriental Institute of Science and Technology, Bhopal, India	August 2010-June 2014

Bachelor of Engineering in Computer Science and Engineering
Major courses: Data Structures, Database Management Systems

Certification

Oracle Certified Associate, Java SE 8 Programmer	June 2017-till date

Technical Skills

Languages: Core Java, Spring, Hibernate, Javascript, Python, HTML, CSS, Bootstrap, JQuery, C, C++, C#, MYSQL

Big Data: Apache Spark, Databricks, Tableau, Hadoop

Frameworks, Tools: Microsoft CRM2011, Visual Studio, Eclipse IDE, Git, SVN, jira, SQL Server, SSRS, Pandas, Numpy, ML & MLib, scikit learn

Professional Experience

Persistent Systems, Pune, India	November 2014 – May 2016

Software Engineer

- ❖ **Project Teledynamics CRM** *(Microsoft CRM 2011,C#, .NET, Telerik and SSRS Reporting Tool, MYSQL, Agile)*
  Implemented order tracking system integrated with billing systems, product catalogues and data warehouses to generate dynamic sales reports, addendums and product specific reports.

- ❖ **Project Showcase** *(Java, C++, MYSQL)*
  Developed a reporting tool that queried on IBMi-series and JDE-ERP systems to analyze and generate reports and charts.
  Award- Received "You made a difference" award for excellent performance in both development and testing.

Academic Projects

- ❖ **E-commerce website** *(Java ,Spring, Hibernate, HTML, CSS, Javascript, JQuery,SQL)-* Developed a website that would provide a common platform to all aspiring and experienced designer to showcase and sell their creations.

- ❖ **Diabetic nutritionist** *(Python, MySql, Scikit learn)-*Applied linear regression, k-means and case based reasoning to predict whether a meal is suitable for a diabetic patient or not and provide healthier food substitutes.

- ❖ **Predicting accident prone areas***(Spark, Python, Databricks, Tableau)-*Analyzed, visualized and applied decision tree and logistic regression algorithm on UK traffic dataset to classify accident prone locations by severity, dynamically plot the results on Google maps.

- ❖ **Amazon employee Data Analysis** *(Python, Scikit learn)-* Applied Dtree, SVM and logistic regression on cleaned dataset to classify employees according to role based access control.

- ❖ **Decision Tree Classifier** *(Java)* **and Bagging and Boosting** *(Python)-* Developed decision tree classifier, bagging and ada boost without using predefined libraries for nominal values dataset and achieved an accuracy of 91% on monk UCI ML dataset.

- ❖ **FoodSalsa** *(HTML,CSS, Bootstrap, Javascript, JQuery,PHP, SQL)-*A website that facilitates easy access of menu as per cuisine, food review posts and online food ordering from different food joints within the University.

- ❖ **Content Based Image Retrieval** *(Java, MYSQL, MATLAB)-*Applied K-means clustering to search identical or similar images from the database with accuracy based result optimization

Leadership Experience

- ❖ **Women in Computing at Indiana University:** Volunteered for events and served as a voice for women pursuing graduate.
- ❖ **Debugging Competition at Oriental Institute of Science and Technology**: Organised the competition in Tech Fest.