Nandini Goswami

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Looking for an opportunity to acquire knowledge, apply skills and contribute to the overall development of the organization.

Education

Indiana University, Bloomington, IN, United States   August 2016-May 2018
Master of Science in Computer Science (GPA: 3.53/4.00)
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 (GPA: 3.83/4.00)
Major courses: Data Structures, Database Management Systems

Technical Skills

Languages: Core Java, JavaScript, SQL, HTML, CSS, Bootstrap, JSP Servlet, Hibernate, C, C++, Python, C#, PHP, JQuery

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

- ❖ **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.

- ❖ **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, cleaned and applied decision tree and logistic regression algorithm on 2015 UK traffic dataset to classify accident prone locations by severity and dynamically plot the results on Google maps.

- ❖ **Travel Data Analysis***(Spark, Python, Databricks, Tableau)*- Analyzed, performed feature engineering on the dataset and implemented map reduce to find various patterns like which destinations are travelled to or from are the most.

- ❖ **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.

- ❖ **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.