Shweta Bhartia

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EDUCATION

Indiana University, Bloomington, IN, United States — May 2018
Master of Science, Computer Science — (**GPA**: 3.47/4.0)
Major Courses: Big Data Analytics, Applied Machine Learning, Software Engineering

Kalinga Institute of Industrial Technology, Bhubaneswar, India — May 2014
Bachelor of Technology, Computer Science and Engineering — (**GPA**: 3.84/4.0)
Major Courses: Data Structures, Algorithms Analysis, Database Management Systems

TECHNICAL SKILLS

Languages: Java, Scala, Python, JavaScript, SQL, HTML, CSS

Technologies and Tools: HDFS, YARN, Hadoop MapReduce, Apache Spark, Sqoop, Hive, AGILE, Tableau, JIRA, Git

PROFESSIONAL EXPERIENCE

Website and Email specialist, Office of Admissions, Indiana University — May 2017 - Current
- Utilized Google Analytics to analyze web traffic and build monthly reports that allow IU admissions department to update web pages resulting in improved IU brand value among prospective students
- Utilized slate CRM, to build rules for automating data changes and setting up marketing drip campaigns to send emails to the targeted student population

Systems Engineer, Infosys Limited, Hyderabad, India — Jun 2014 - Apr 2016
- Worked in Identity Management domain and managed identity systems for a major US banking Client by implementing a Java Web Service that performs CRUD operations on Active Directory
- Worked in the Security Operation Center integrating data from various security feeds to remove malicious threats and alert the affected teams

Intern, Infosys Limited, Mysore, India — Jan 2014 - Jun 2014
- Created a chat application using Java socket programming to block misbehaving users in an anonymizing network
- Developed test suites for unit and integration testing and created documents during the phases of SDLC

ACADEMIC PROJECTS

IULMNIA DATABASE – (PHP, MySQL) — Aug 2017 – Current
- Developing a website to manage metadata of educational movies owned by IU and used for research purposes by public
- Developing the website using PHP as a scripting language, MySQL as the database engine and CSS for styling

Click Stream Analysis – (Spark Core, Spark Streaming, Scala) — Aug 2017 – Current
- Developed a program to analyze click stream data of an e-commerce website to calculate activity per product and unique visitors per product using Apache Spark
- Performed batch analysis initially to calculate aggregates on the data and further extended the program to process real-time data by streaming purchase activity data and processing using Spark Streaming

CollegeMeet – (Flask, React.js, PostgreSQL, JIRA) — Jan 2017 – May 2017
- Developed a website - CollegeMeet using Python Flask framework that connects students with similar interests
- Utilized MVC design pattern and developed RESTful web services that can be consumed by the client

Network Anomaly Detection – (Apache Spark, Python, Tableau) — Aug 2016 – Dec 2016
- Developed a Machine Learning model that segregates intrusions from normal connections in a computer network for the KDD Cup network dataset containing 4 million records
- Implemented data preprocessing techniques, clustering and classification algorithms on the dataset using Apache Spark ML library and achieved a test accuracy of 93.12 %

Retail Database Analysis – (Apache Spark, Python, Databricks) — Aug 2016 – Dec 2016
- Implemented a data pipeline by importing retail data from a relational database to AWS S3 and performed analysis
- Calculated aggregates such as revenue per day, customer with max revenue etc. using Apache Spark