ABHINISH POPLI

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SKILLS

- MySQL (6 years), Python (3 years), Java (2 years), Apache Spark (2 years), AWS (2 years), Tableau (2 years)
- Skillful experience in Python by developing software's using libraries- pandas data frame, numpy, matplotlib, python-twitter, urllib2, MySQL dB for database connectivity to manage software development process.
- Experience with MySQL on both Linux and Windows
- Experience in Big Data Programming, Apache Spark, Hadoop ecosystems and experience in utilizing HIVE for working with data stored in the Hadoop file system (HDFS)
- Extensive experience in ETL methodologies supporting Data Migration, Data Transformation and Data Cleansing of data using tools like Informatica Power Center, PIG and Hive

PROFESSIONAL EXPERIENCE

Metropolitan Transportation Authority (MTA), New York, NY, USA

Data Specialist Intern   Sep 2017–Present

- Built an API using Python for calculating performance metrics for server management
- Involved in Python OOP code for quality, logging, monitoring, and debugging code optimization.
- Responsible for efficient daily database maintenance, backup and recovery procedures in SQL programming and implementation.

Cognizant Technology Solutions, Chennai, TN, India

Programmer Analyst Trainee   Nov 2015–Jul 2016

- Evaluated data for client and developed procedures to achieve set-forth organizational objectives
- Developed queries using MySQL to examine their progress and deposition while handling a complete module for the client
- Successfully managed to extract data (size ~15 TB), performed transformation using Amazon Web Services such as Redshift and enable transfer acceleration in S3 for analyses by reporting team
- **Received fast-track promotion from program analyst trainee to data developer within three months of tenure and earned appraisal from onsite**

Oil and Natural Gas Corporation, Dehradun, UK, India

Intern, *Computer Department*   Jun 2014–Jul 2014

- Established the Library Automation System for the ONGC Library in collaboration with four team members
- **Significantly enhanced work efficiency by 80% through efforts to reduce paperwork as well as the overall cost in maintaining the library database**

EDUCATION

New York University, NY, USA   *May 2018 | GPA: 3.59*
Master's Degree in Computer Science

Jaypee University of Information Technology, HP, India   *Jun 2015 | GPA: 7.90*
Bachelor's Degree in Computer Science

ACADEMIC PROJECTS

Sep 2017–Dec 2017	***iNews: iOS Application***

- Developed a mobile application use as news from sources which included CNN and the New York Times and present it to user with or without internet connection.
- Utilized AWS, such as Lambda, SQS, SNS, API Gateway, CloudWatch and DynamoDB gathering news from sources by developing backend of the application
- Designed an APIs in Python to collect and seek news from the AWS ElasticSearch

Mar 2017–May 2017	***Audit of Twitter Account***

- Implemented machine learning algorithms in Python to determine if the given Twitter account belongs to a Twitter bot or a human being.
- Developed API in Python to collect test data from more than 3,000 accounts
- Assessed the accuracy and precision of the results of Naïve Bayes, Decision Tree and Logistic Regression

Mar 2017–May 2017	***Impact of Weather Conditions on Commercial Aviation***

- Import the data (size~1 TB) from different sources into Spark RDD and analyzed the impact of weather on delays of planes based on historical weather data and visualized the results using Tableau
- Developed custom aggregate functions and performed interactive querying, using Spark-SQL running on HPC cluster
- Reviewed data and conceptualized inferences on flight delays which included impact of snow, visibility, wind etc.

Feb 2017–Mar 2017	***Yelp Data Set Analysis***

- Administered queries on datasets (size ~ 7 GB) and review per city and category including ratings of businesses as well as the top 10 reviewers according to number of posted reviews by creating RDD's using core Spark
- Managed the installation of Hadoop local environment along with the execution of scripts created in Pig Latin and Apache Spark
- Directed the creation of visualization based on gathered data from resulting scripts using Tableau

TECHINCAL ACUMEN

Programming Languages	Python, Java, C, C++
Operating Systems	Windows, Unix/Linux, Mac OSX
Database Development	SQL, Hadoop, Apache Spark, Pig Latin, MySQL, HDFS, Hive, MS Access, Postgre SQL
Other Tools	Eclipse, Network Simulator 2, Informatica, Tableau, Kafka, Putty, IntelliJ, Sublime text
Cloud and SaaS Platforms	Amazon Web Services
Software	scikit-learn, APIs, Git, Docker, Databricks, Hortonworks Sandbox

PUBLICATION

Popli, A., Rathee., G., and Saini, H. (2016). Advanced autonomous network reconfiguration system. *IOSR Journal of Computer Engineering (IOSR-JCE)*. e-ISSN: 2778-0661, p-ISSN: 2278-8727. 6.