ABHINISH POPLI

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DATA/SOFTWARE ENGINEER

Data Engineering | Big Data Analytics | Machine Learning | Cloud Computing | Software Engineering | Python Development

QUALIFICATIONS PROFILE

Innovative, detail-oriented, and results-focused professional seeking a challenging position to further enhance and utilize skills, knowledge, and abilities honed from hands-on experience in data engineering and software development; backed by strong educational background in Master of Computer Science. Knowledgeable of coding SQL, Python, Core Spark and Spark SQL including database management and data visualization. Armed with solid project management skills; highly capable of accomplishing tasks within fast-paced and critical settings.

RELEVANT 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
- Develop SQL scripts to analyze data and generate statistics using Tableau
- Provide assistance to Database team regarding modifications essential in incorporating procedures and functions using SQL

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-rack 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***
	➢ Implemented Spark SQL to analyze the impact of weather on delays of planes based on historical weather data (dataset ~ 1 TB) and visualize the results using Tableau
	➢ Conducted data cleaning and extraction of main columns of interest for evaluation, using Spark 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, HTML, CSS, C, PHP
Operating Systems	Windows, UNIX
Database Development	SQL, Hadoop, Apache Spark, Pig Latin, MySQL, HDFS, Hive
Other Tools	Eclipse, Network Simulator 2, Informatica, Microsoft Office Suite (MS Access, Excel), Tableau, Kafka, Putty, IntelliJ, Sublime text
Amazon Web Services	Elastic compute cloud, Lambda, SQS, SNS, API Gateway, Cloud watch, ElasticSearch, DynamoDB
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.