

ABHINISH POPLI

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DATA/SOFTWARE ENGINEER

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

QUALIFICATIONS PROFILE

Innovated, 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 administration and software development; backed by strong educational background in Master of Computer Science. Knowledgeable of coding SQL, Java, and Python, including software development and data visualization. Armed with solid project management skills; highly capable of accomplishing tasks within fast-paced and critical settings without compromising quality and results.

RELEVANT EXPERIENCE

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

Data Support Intern [Technologies used: SQL, Python, Tableau]

Sep 2017–Present

- Take charge of collecting data from several sources including Microsoft Excel sheets, Microsoft Access, and network diagrams; as well as uploading data on the website. Develop SQL scripts to analyze data and generate statistics using Tableau
- Render assistance to Networking and Database team regarding modifications essential in incorporating procedures
- Provide support with network monitoring tools which include SolarWinds and WhatsUp Gold

Cognizant Technology Solutions, Chennai, TN, India

Programmer Analyst Trainee [Technologies used: MySQL, Redshift, Amazon Web Services]

Nov 2015–Jul 2016

- Evaluated data for customers 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
- Worked with Amazon Web Services such as Redshift to developed ETL scripts 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 [Technologies used: HTML, CSS, PHP]

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

Master's Degree in Computer Science, In Progress, Expected Completion Date: May 2018 | GPA: 3.54

New York University, Brooklyn, NY, USA

Bachelor's Degree in Computer Science, Jun 2015 | GPA: 82%

Jaypee University of Information Technology, Solan, HP, India

ACADEMIC PROJECTS

Sep 2017–Dec 2017	University: New York University, Brooklyn, NY [iNews] <ul style="list-style-type: none">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 Amazon web services, such as Lambda, SQS, SNS, API Gateway, CloudWatch and DynamoDB gathering news from sources by developing backend of the applicationDesigned an Application programming interface (APIs) to collect and seek news from the AWS ElasticSearch
Mar 2017–May 2017	University: New York University, Brooklyn, NY [Audit of Twitter Account] <ul style="list-style-type: none">Implemented machine learning algorithms in Python to determine if the given Twitter account belongs to a Twitter bot or a human being.Made use of Twitter REST API in collecting test data from more than 1,000 accountsAssessed the accuracy and precision of the results of Naïve Bayes and Decision Tree
Mar 2017–May 2017	University: New York University, Brooklyn, NY [Impact of Weather Conditions on Commercial Aviation] <ul style="list-style-type: none">Implemented Spark SQL to analyze the impact of weather on delays of planes based on historical weather data and visualize the results using TableauConducted data cleaning and extraction of main columns of interest for evaluationReviewed data and conceptualized inferences on flight delays which included impact of snow, visibility, wind etc.
Feb 2017–Mar 2017	University: New York University, Brooklyn, NY [Yelp Data Set Analysis] <ul style="list-style-type: none">Administered queries on datasets and review per city and category including ratings of business throughout the University of Wisconsin-Madison as well as the top 10 reviewers according to number of posted reviewsManaged the installation of Hadoop local environment along with the execution of scripts created in Pig Latin and Apache SparkDirected the creation of visualization based on gathered data from resulting scripts using Tableau

TECHINICAL ACUMEN

Programming Languages	Python, Java, HTML, CSS, C, PHP, C++
Operating Systems	Windows, UNIX
Database Development	SQL, Redshift, Hadoop, Apache Spark, Pig Latin, PostgreSQL, MySQL, ETL
Other Tools	Eclipse, Network Simulator 2, Informatica, Microsoft Office Suite (MS Access, Excel, and PowerPoint), Tableau, Docker, Kafka, Putty
Amazon Web Services	Elastic compute cloud, lambda, SQS, SNS, API Gateway, Cloud watch, ElasticSearch, DynamoDB
Software	scikit-learn, IntelliJ, Cisco Packet Tracer, Sublime text, APIs, Git

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.