

ABHINISH POPLI

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DATA ENGINEER

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 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.

AREAS OF EXPERTISE

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

RELEVANT EXPERIENCE

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

Data Support Intern (SQL, Python, Tableau)

Sep 2017–Present

- Handling Data collection from several sources including Microsoft Excel sheets, Microsoft Access, and network diagrams; as well as uploading data on the website
- Provide 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 (MySQL, Amazon Web Services, Redshift)

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 (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**

OTHER EXPERIENCE

New York University, Brooklyn, NY

Graduate Assistant

Jan 2017–Present

EDUCATION

Master's Degree in Computer Science, May 2018 | GPA: 3.54

New York University, Brooklyn, NY, USA

Relevant Coursework: *Design & Analysis of Algorithms, Principles of Database System, Big Data Programming, Cloud Computing, Machine Learning*
Member | Graduate Indian Student Association

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

Jaypee University of Information Technology, Solan, HP, India

Relevant Coursework: *Data Structures, Object Oriented Programming, Principles of Programming Languages, Operating System*

PROFESSIONAL DEVELOPMENT

Cloud Computing, 2014 | Amazon Web Services, Bangalore, India

Taming Big Data using Apache Spark [Online] | Udemy

Java Masterclass [Online] | Udemy

AFFILIATION

Member | Lion's Club (NGO)

Coordinator | JUIT Youth Club, University Student Body

Publicity Coordinator | TEDxJUIT

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ACADEMIC PROJECTS

- Sep 2017–Dec 2017 **Project Title:** iNews
Role: Back-end Developer
Objective: *Development of 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 and DynamoDB gathering news from source by developing backend of the application
 - Designed an application programming interface (APIs) to collect and seek news from the AWS ElasticSearch
 - Triggered the application by sending push notifications to user at 9AM EST to download the latest news
- Mar 2017–May 2017 **Project Title:** Audit of Twitter Account
Role: Python Developer
Objective: *Implementation of 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 accounts
 - Assessed the accuracy and precision of the results of Naïve Bayes and Decision Tree
- Mar 2017–May 2017 **Project Title:** Impact of Weather Conditions on Commercial Aviation
Role: Back-end Developer
Objective: *Implementation of Spark SQL to analyze the impact of weather on delays of planes based on historical weather data and visualize the results using Tableau*
 - Assumed accountability in gathering flights dataset from the United States Department of Transportation and weather data from weather underground API
 - Conducted data cleaning and extraction of main columns of interest for evaluation
 - Reviewed data and conceptualized inferences on flight delays which included impact of snow, precipitation, visibility, and wind
- Feb 2017–Mar 2017 **Project Title:** Yelp Data Set Analysis
Role: Back-end Developer
Objective: *Developed scripts in Pig and Spark to analyze Yelp Dataset based on reviews and ratings given by customers, top restaurants based on categories and locations.*
 - Administered queries on Yelp dataset 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 reviews
 - Managed the installation of Hadoop local environment.
 - Handled port mapping to run the Hue web interface through the local browser by setting up Cloudera QuickStart Container in Docker
 - Directed the creation of visualization on tableau based on gathered data from resulting scripts

TECHINICAL ACUMEN

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