# Gaurav Rana

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## EDUCATION

*California State University, Fresno*                                               *August 2016* to *May 2018*
Master of Science (M.S) in Computer Science

*Punjab Technical University, India*                                               *July 2010 to June 2014*
Bachelor of Technology (B.Tech) in Computer Science

## TECHNICAL SKILLS

**Languages:** Python, SQL, T-SQL, Dynamic SQL, PL-SQL          **Web:** JavaScript, HTML5, CSS, REST
**Databases:** MySQL, MongoDB, Firebase                      **Cloud:** AWS EC2, AWS S3, Azure
**Tools:** SQL Server Reporting Services (SSRS), ERD Diagrams, MS SQL Server 2012, Power BI Desktop, SSIS, Microsoft Azure, Shell Scripting, Jupyter, Scikit-learn, Seaborn, Hadoop, Tableau, SAP Crystal Reports, Hive, Hadoop Pig, Matplotlib, Ambari, Numpy, Pandas, Linear Regression, Logistic Regression, Scikit, AWS ELB, AWS Route53, AWS Lambda, AWS Elasticsearch, AWS IAM, Natural Language Processing (NLP)
**Software/ Technology:** Databases, Visual Studio 2010, A/B Testing, Statistical Analysis System (SAS)
**Certifications:** AWS Certified Developer – Associate (License: 1HFC7PF1JJVQ1KC7), Data Science Course : IBM affiliated (Coursera)

## WORK EXPERIENCE

**SQL Specialist/Data Analyst** at Lotane & Associates(https://lotane.com/)          **April 2019- Feb 2020**
- Develop SSRS reports and configure SSRS subscriptions per specifications provided by internal and external clients.
- Utilized standard Python modules such as csv, itertools and pickle for development.
- Increased efficiency by 50% by designing and implementing complex SSIS package to migrate data from/to SFTP/FTP server using batch scripting.
- Work closely with the development team to provide support for database objects (Stored Procedures/Triggers/ Views) and performing code review.
- Worked on reading queues in Amazon SQS, which have paths to files in Amazon S3 Bucket.
- Integrated data from multiple applications using ETL and ETL tools like SSIS.
- Worked on Amazon Lambda functions using Python scripting.
- Deployed project into Amazon Web Services (AWS) using Amazon Elastic Beanstalk and aggregate clean files in Amazon S3.
- Worked on application using Python integrated IDEs such as PyCharm.
- *Technologies*: SQL Server 2012, SSRS, SSIS, SQL Server 2008, BI, Visual FoxPro 9.0, Power BI

**Data Analyst** at AZTech Technologies(https://www.aztechtechnologies.us/)          **October 2018 – April 2019**
- Reduced work for employees at present company by 30% by implementing automations using tools such as Integration Services(SSIS), Reporting Services (SSRS), WinSCP (SFTP), Bash Scripting, T-SQL.
- Worked on Amazon EC2 clusters to deploy files into Buckets.
- Worked on several standard Python packages like Numpy, Matplotlib, Scipy.
- Proficient in developing complex SQL queries, Stored Procedures, Functions, Packages along with performing DDL and DML operations on the database.
- Managed datasets using Python Panda data frames and MySQL, queried MySQL database queries from python using ETL and ETL tools like SSIS.
- Worked on Python OpenStack APIs and used Numpy for numerical analysis.
- *Technologies*: MySQL, SQL Server 2012, SQL, Python, Numpy, MS Excel, MS Access, AWS EC2

**SQL Developer/DBA** at MicroState Enterprises(https://microstateindia.com/)          **July 2014 - July 2016**
- Created tables, databases, reports using tools like T-SQL, SQL Server 2012, SSRS and SQL queries.
- Improved the performance of the application by rewriting SQL queries and designed and developed packages to import and export data from MS Excel, SQL Server and Flat files.
- Modernize data streamlining processes, resulting in 25% redundancy reduction.
- Designed SSIS packages to extract, transfer, load (ETL) existing data into server from different environments.
- *Technologies:* Agile development, MySQL, IIS, MS SQL Server 2008, Active Directory, SQL, SSRS, JIRA, Shell Scripting, SSIS, Data Modeling, ERD Diagrams.