

SIVA PRASAD REDDY NOOLI

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Education:

University of South Carolina – Columbia, Master's in Computer Science. GPA: 3.56/4 Expected Graduation: May 2018

Course Work: Analysis of Algorithms, Big Data Analytics, Computer Architecture, Internet Security, Compilers Construction

VIT University - Vellore India, Bachelors in Electronics and Communication Engineering. CGPA: 3.85/4 June 2014

Course Work: Computer Programming and Problem Solving, Data Structures and Algorithms, Operating Systems.

Work Experience:

Programmer Analyst Intern, Astellas Pharma, Chicago, IL, USA June 2017 to December 2017

- Worked on ETL process of large data sets in areas related to Hadoop, Amazon S3 and Podium data lake management to handle corrupt records. Involved in cost optimization in infrastructure.
- Developed shell and Python scripts for system tasks. Worked with AWS CLI and SDK/APIs with Python and have hands on with AWS EC2, S3, VPC and Cloud Watch.
- Automated of data loads into HDFS by using Python and scheduled Oozie workflows for data operations.
- Created de-normalized Subject areas and Analytic tables in Hive and Impala for various pharmaceutical datasets.
- Familiar with OHDSI and OMOP CDM data models.

Software Developer Engineer, Accenture, Hyderabad, India August 2014 to July 2016

- Developed enhanced solutions for achieving efficiency in business processes through ABAP objects in Reports, Interfaces, Conversions, Enhancements and forms to the clients related to CGS (consumer goods and services) and automobiles firms.
- Involved in developing various ALV reports with open SQL statements. Worked on adobe platform to customize the forms using JavaScript and created Python RFC connections to connect SAP system for calling business modules.
- Created a reusable tool that updates data elements and domains in transparent and cluster database tables using BDC programming with ABAP reports, which saved 85% of man hours in project operations.

Proficient Skills and languages:

Programming Languages: Python, Java, C, SAP ABAP, SQL

Web & Mobile Skills: HTML, CSS,

Tools and Technologies: AWS, Git, Django, Flask, Linux, Flex, Bison, Hive, Impala, Python boto3

Certifications:

- AWS Certified Solutions Architect Associate (Validation No. 4XKFZCE1CJQ11LWT)

Academic Projects:

Source Code: <https://github.com/sivaprasadreddynooli>

Secure Grading System for University Web Portal (Python Flask, SQLAlchemy, HTML, CSS)

- Designed a university web portal that implements grading system, student's interaction and course & events registration with the objectives of confidentiality, authentication and integrity.
- Encryption algorithms have been used as part of securing the web application. The project has been Implemented using **Python Flask framework** and **SQLAlchemy**.

Designed compiler for C++ (C, Flex, Yacc, Lex)

- Implemented interpreter and assembler for assembly level programming using **bison, flex** and **C**.
- Designed compiler for **C++** using **Flex** and **Yacc** with **LALR Parsing**. Implemented **Lex** to handle regular expressions using NFAs for designing the compiler.

Data mining on US Election Tweets (Python, Mallet)

- Performed Topic Modelling on 6 months of US election Tweet data using Data Mining Tool **Mallet** to visualize data sources, geographical support, popularity of each contestant based on state and city.

USC ACM Code-A-Thon 2017

- Secured top position in the coding competition organized by the University of South Carolina and conducted by HackerRank. Coded in **Java** implementing all the data structures in short time.

Created a reusable tool for creating data elements

- Created an automation tool that creates data elements and domains required while creating the database tables and save them in suitable transport package.

Extra Academic activities and Achievements:

- Data Scientist - Research assistant at University of South Carolina - Columbia.
- PPA lead in Employee engagement program in Accenture and lead the team members for organizing the events.
- Secured in top 1% in the state level Engineering Entrance examination(EAMCET) and received multiple awards in Accenture.