

RESUME OBJECTIVE

- Experience of 7 years in ETL projects involving data migration, file ingestion and ETL testing. These experiences gave me a strong background on data analytics.
- My analytical skills supplemented by expertise in SQL, Python and Shell scripting has enabled me to solve various business problems in a scalable, efficient, and maintainable manner. I always strive to increase my knowledge by learning new technologies/skills.
- Currently pursuing a MS in CS – ML specialization in Georgia Tech of Computing. My course (8th course) this term is on Big Data. Planning to graduate by Summer 2022.

SKILLS

- PLSQL/SQL.
- Python.
- Autosys.
- Unix shell scripting.
- ML, RL and DL.
- Core Java & C++ Basics.

DATA SCIENCE PROJECTS

As part of my MS, apart from researching several papers, I worked in below projects.

- OpenAI gym – **Lunar Lander-v2 using Genetic Algorithm**. Reinforcement Learning (RL) project. It involves teaching the satellite to land in a target area using RL.
- **Self-Supervised MRI Reconstruction**. Deep Learning (DL) project. It involves reconstructing MRI from under-sampled k-space without aliasing effects as cost of acquiring fully sampled k-space is time consuming process.
- **Sleep Study**. Deep Learning project in Big Data ecosystem. This is my current project. It's a multi-label classification problem where we use EEG data from brain to annotate sleep stages which is used for medical diagnosis.

WORK EXPERIENCE

Associate (July 2014 to Present), Cognizant Technological Solutions, Chennai India.

As part of AIA (Artificial Intelligence & Analytics) in Cognizant, I consult for an insurance company as ETL developer with projects detailed below. For first three years, I worked as an ETL Tester. I have experience in both Agile and Waterfall models. Apart from this, I'm also the go-to person when it comes to analyzing root cause for any production issue and fixing it.

Current Projects

- **Automation of large-scale data migration project (May 2018 - present)**
 - Automation of the entire data migration process via Unix shell scripts and Autosys. It helped clients save lot of time and money as it fully automated the testing process with the data migration in parallel.
 - Data validation is achieved with the help of stored procedures and functions. All stored procedures are optimized to consume less log space.
 - Reports will be generated at every stage of the migration process to keep track.

- **File Ingestion Framework (*May 2020 – present*)**
 - Design and development of a generic framework to standardize the process of file ingestion.
 - Development is done via Python, Unix scripts and several DB related objects such as (procedures, function, triggers) as needed.
 - Data analysis of the files before process to identify edge-case scenarios as well as stats collection during the file ingestion process to ensure quality and finding outliers.
 - I'm currently using Version One as part of Agile model.

Completed Projects

- **ETL Testing. (*Jan 2015 – April 2018*)**
 - There were several projects that involved data flow from all kinds of system to either ODS or Data Warehouse.
 - My work involved in testing these data to be consistent with target system and to check for any anomalies in the data during the data flow and report it.
 - I was also a Test lead, leading a team of 5 ETL testers in 2017-2018.
 - Because of my technical orientation, I was also in-charge of helping my team with any complex queries and maintenance of the codebase.
 - I was using HP ALM as QC tool.

EDUCATION

- Pursuing MS in CS – Machine Learning specialization in Georgia Tech of Computing, USA. Fall 2019 to Summer 2022. Current GPA: 3.57/4.
- B.E. Electronics and Communication Engineering, Sri Venkateswara College of Engineering, India. Aug 2010 - Apr 2014. CGPA: 7.48/10.

MISCELLANEOUS

- “*Fundamentals of Statistics*”, “*Introduction to Descriptive statistics*” and “*Introduction to Inferential statistics*” in udacity.com
- Microsoft certified: Azure AI fundamentals AI-900.
- Targeting DP-100 (Designing and Implementing a Data Science Solution on Azure) certification next.
- On my free time, I like to solve math problems in projecteuler.net