

# Chandra Naga Manikanta Vetsa

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## EDUCATION

### University of Utah, David Eccles School of Business

Master of Science in Information Systems

Salt Lake City, UT

August 2022 – August 2023

### BVC Institute of Technology and Sciences

Bachelor of Technology in Mechanical Engineering

India

August 2014 - April 2018

## TECHNICAL SKILLS

**Certifications:** AWS Solution Architect - Associate

**Databases:** SQL (MySQL, PostgreSQL, PL/SQL)

**Data Analytics/Business Intelligence:** Tableau, Power BI, Domo, Alteryx, ETL, Snowflake, Databricks

**Programming:** Java, Python, R, JavaScript

**Tools:** Selenium, Mainframes, ALM, Jira, QTest, Git, Postman, Rest, Gradle, Maven, Cucumber, TestNG frameworks

## EXPERIENCE

### Tata Consultancy Services

Dallas, US

Data Engineer

Feb 2024 – Present

- Performed complex SQL and Snowflake operations to manage and manipulate large datasets, ensuring data integrity and accuracy.
- Designed and implemented ETL (Extract, Transform, Load) processes, optimizing data integration and transformation from various sources to support business intelligence.
- Conducted data validations and implemented quality checks to maintain the reliability and consistency of data across multiple systems.
- Analyzed large datasets to extract meaningful insights, utilizing statistical and predictive analysis techniques to identify trends and support data-driven decision-making.
- Developed and maintained data visualizations using tools such as Tableau and Power BI, presenting insights and findings effectively to stakeholders.
- Ensured seamless data workflow across different data stage layers, maintaining the integrity and efficiency of the data pipeline, and optimizing performance.

### Codehub Technologies

Dallas, US

Software Development Engineer in Test

September 2023 – January 2024

- Created Automation scripts for an application using Selenium and Java, enhancing efficiency.
- Developed VB scripts, Postman API, SoapUI for testing.
- Extensive experience with BDD, TDD Frameworks like Cucumber, TestNG.
- Conducted various testing types including smoke, unit, regression, functional, integration, performance testing.
- Assist with schema design, code review, SQL query tuning.
- Utilized Agile methodology and actively participated in Sprint Planning, Backlog Refinement, Daily Scrum meetings.

### University of Utah

Salt Lake City, US

Graduate Teaching Assistant

May 2023 – August 2023

- Assisted in teaching and facilitating the course, providing support to both the professor and students.
- Conducted classes, and tutoring sessions on Data Analytics and visualization.
- Assisted in data science projects, grading assignments, exams, and ensuring fair and consistent evaluation.

### Tata Consultancy Services

Hyderabad, India

Data Analyst

December 2019 – August 2022

- Spearheaded the enhancement of query performance, leading to a 40% reduction in report generation time in a banking project, facilitating quicker and more responsive decision making.
- Designed and implemented sophisticated Power BI dashboards, seamlessly integrating data from diverse sources to achieve a 20% improvement in data visualization and insights delivery for enhanced decision support.
- Led the creation of monthly reports using Power BI, empowering stakeholders to analyze data for decision making.
- Conducted data analysis and visualization tasks using SQL and Tableau, Power BI to support the savings account management team, including analyzing customer behavior and savings trends to provide actionable insights.
- Implemented ETL process to extract data from MySQL using Alteryx and create visualizations using Power BI to provide business insights to the client.

### Associate System Engineer

December 2018– December 2019

- Worked as a Manual and Automation Test Engineer for an Insurance and Banking project.
- Performed frontend, backend and mobile testing for the application.
- Analyzed user stories to develop business and functional requirements.
- Developed test plans to detail the testing scope, high level requirements, strategies and all the needed test data.

## Technical Projects

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### Game Day Analytics R | Python | Alteryx | Tableau | Power BI

February 2023

- Analyzed 1.7 million tweets on the 57 brand commercials aired during the Super Bowl 2023.
- Collected, filtered, and joined (ETL) the voluminous records of tweet data from multiple files using Python. Cleaned the data using R, Domo and Alteryx. Created visualization and infographics using Tableau and Power BI.

### Integrated Data Processing Pipeline AWS S3 | Databricks | PySpark | Snowflake

April 2023

- Built a data pipeline using PySpark to extract data from AWS S3, transform and load them into snowflake.
- Configured a Databricks workspace and clusters for seamless data connectivity with S3.
- Developed a Databricks notebook for data processing, utilizing Apache Spark APIs.
- Implemented Snowflake integration with Power BI, creating insightful visualizations for data analysis, reporting.
- The pipeline handled 2GB of input data and took 10 minutes for end-to-end processing, and the framework is horizontally scalable as the data grows.

### Real Estate Insights R | EDA | Predictive Modeling | Statistical Analysis

December 2022

- Performed statistical analysis and modeling for pricing predictions on real estate dataset. Used R for data cleaning, visualization, regression modeling (linear, multiple, logistic), and interaction effects analysis.
- Developed and refined regression models for real estate pricing, exploring various features including home square footage and bedrooms. Demonstrated expertise in optimizing model fit through multiple regression techniques, showcasing proficiency in scalable regression modeling and analysis.