

# MARUTHI MANOJ KOLLI

☎ 716-292-5717 ✉ [kollimmanoj@gmail.com](mailto:kollimmanoj@gmail.com)  [linkedin.com/in/manoj-kolli](https://www.linkedin.com/in/manoj-kolli)

## Summary

---

Master's graduate in Data Science with 4+ years of experience in Software Development and Data Engineering. Providing insights to stakeholders using technical and non-technical methods. Certified AWS Cloud Practitioner Developer.

## Technical Skills

---

**Programming Languages** Languages: Python, Java, C, HTML/CSS, JavaScript, SQL,

**Web Technologies:** JavaScript, HTML, CSS3, Bootstrap, Typescript

**Database Technologies:** Microsoft SQL Server, MySQL, Oracle, Redshift.

**Cloud Technologies:** AWS, Azure, Google Cloud Platform.

**Tools/Platform:** Git, Github, Visualstudio, Data visualization - Tableau, Power BI, WYSWIG, Jenkins, Docker.

**Packages and Frameworks:** Numpy, Pandas, Matplotlib, Seaborn, Plotly, Scikit-Learn, ggplot

## PROFESSIONAL Experience

---

### AMAZON.COM, INC

Sep 2022 – Present

*Software Development Engineer*

*Seattle, WA*

- Collaborating with AWS Cloud Services to render auto-generated and dynamically optimized display ads on and off site for Amazon DSP, IMDb, Amazon Video, Kindle, Amazon Live and Landing Page Builder by increasing the efficiency to the maximum level.
- Focusing on increasing the revenue through driving advertiser adoption with new creative features, optimizing creative performance for improved monetization, and creating new impression opportunities through new placements.
- Developing secure, stable, and maintainable code with a strong emphasis on testing to minimize defects. Refactoring and optimizing existing code and algorithms to improve performance.
- Optimizing team software architecture to support large-scale, multi-tiered, and distributed applications.

### TATA CONSULTANCY SERVICES, State Farm Insurance, USA

May 2018 – Jul 2021

*Data Engineer*

*Hyderabad, India*

- Developing and implementing data pipelines using Python, Pyspark, and Airflow to extract, transform, and aggregate data from various file sources with a focus on maintaining high data quality.
- Designing and managing data vault architecture using Snowflake as the data warehousing solution, including developing complex SQL queries and stored procedures to convert them into ETL.
- Experienced in data extraction, accumulation, and transformation within AWS Glue using PySpark. Knowledgeable in logical and physical data modeling for Redshift and handling data migration from SQL Server and MySQL databases.
- Collaborative approach to creating analyses and reports for marketing and business decisions. Strong expertise in data extraction, transformation, and loading using AWS Glue, PySpark.

## Projects

---

### YouTube Trending Video Analysis | *Data Mining, Machine learning, Cloud Technology*

- Conducted comprehensive YouTube trend analysis by extracting and processing 40,000+ records from YouTube using AWS S3 bucket.
- Leveraged cloud-based data pipelines to automate data ingestion, cleaning, and transformation processes, streamlining the overall analysis workflow.

### Analyzing Climate Change using Earth Surface Temperature Data | *Statistical Data Mining, Web development*

- Employed ARIMA model for the data of eight decades to predict the surface temperature visualization of the earth.
- Developed a web interface using R-shiny to visualize the predicted temperature using graphs and to analyze the changes over time.
- Performed Exploratory Data Analysis, revealing the consistent temperature rise over the years through parameter estimation.

### Black Friday Sales Analysis | *Python, statistical Data mining*

- Conducted in-depth data analysis of black Friday sales data using Python libraries, allowing for data-driven insights and informed decision-making.
- Utilized Matplotlib to create visually appealing and informative charts and graphs, effectively communicating complex patterns and trends to stakeholders. employing Scikit Learn and Scipy to implement machine learning algorithms and evaluate model performance

## Education

---

MS in Engineering Science - Data Science, State University of New York at Buffalo.

Aug 2022