Anil Kumar B

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# Experience

**Western Illinois University, Macomb, IL** Jan 2022 - Aug 2023  
Graduate Assistant  
• Collected and managed large datasets for academic and research projects, ensuring data integrity.  
• Conducted statistical analyses using Python and R to support research initiatives.  
• Generated comprehensive reports and visualizations to present findings to faculty.  
• Assisted in database management and utilized SQL for efficient data retrieval.

**Amazon, Hyderabad TS** June 2020 - Dec 2021  
Data Analyst  
• Led data-driven projects and automated data processing using Python and SQL, improving efficiency by 30%.  
• Managed data storage with Amazon Redshift, MySQL, and S3, ensuring data integrity and reducing retrieval time by 20%.  
• Utilized AWS Glue and Apache Airflow for ETL processes, increasing ETL pipeline reliability by 25%.  
• Enhanced decision-making with predictive analytics, boosting customer segmentation and targeted marketing strategies by 15%.

# Relevant Projects

**Stock Price Prediction**• Developed predictive model for stock prices using historical data and financial indicators.  
• Collected and preprocessed data with Python and SQL.  
• Trained models using Pandas, NumPy, scikit-learn, TensorFlow, and Keras.  
• Created a web app for predictions using JavaScript and React.js.  
• Presented findings with interactive visualizations in Tableau.

# Skills

• Data Analysis: SQL, MS Excel, Python (Pandas, NumPy, Matplotlib), Alteryx, SAS, Tableau  
• Data Modeling: Data warehousing, customized solutions for data management  
• Machine Learning: scikit-learn, TensorFlow, Keras, Flask, Django  
• Programming: Python, SQL, JavaScript  
• Methodologies: Agile

# Education

**Master’s Degree**Applied Statistics and Data Analytics, Western Illinois University, IL (Jan 2022 - Dec 2023)

**Bachelor’s Degree**Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad (Aug 2016 - Sept 2020)