

MANOJ GOWDA JAYASWAMY

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"Experienced data analyst excelling in data manipulation, statistical analysis, and data visualization, actively pursuing challenging roles to extract insights from intricate data, steer decision-making processes, and elevate data strategies."

EDUCATION

University of Texas at Dallas, Texas	June 2021
<i>Master of Science, Information Technology and Management</i>	GPA 3.5
Visvesvaraya Technological University, Bengaluru	June 2021
<i>Bachelor of Science, Mechanical Engineering</i>	GPA 3.22

SKILLS

Programming: Python, R, SQL, HTML/CSS, JavaScript, React.js, STATA, C, C++.

Libraries: Pandas, NumPy, Seaborn, Matplotlib.

Tools: MS Excel, Tableau, Amazon QuickSight, Power BI, Oracle SQL, MySQL, PostgreSQL, Git.

Certification: Oracle Autonomous Database Cloud Specialist, Tableau, Python.

Course Work: Object Oriented Programming-Python (OOP), Data Visualization, Data Management, Business Analytics with R, Advanced Statistics, Spreadsheet Modelling, Google Cloud Platform Fundamentals.

PROFESSIONAL EXPERIENCE

Techno Fly Solutions, Bengaluru, India	November 2021 – May 2022
<i>Graduate Trainee Engineer</i>	

- Developed and deployed a Python script to automate the ETL pipeline by downloading CSV from a website, modifying, and loading data into a database using business logic via a daily interface, thus saving 4 hours of human effort per week.
- Elevated data pipeline efficiency by enacting code optimizations in Databricks and PySpark, yielding a weekly 10-hour reduction in data processing and transformation, enabling expedited access to high-quality datasets for the Modeling team.
- Collaborated in an Agile environment, working in sprints and utilizing Azure DevOps for seamless project management, version control, and continuous integration/ delivery (CI/CD), enabling streamlined teamwork and efficient project execution.

BEML Ltd, Bengaluru, India	March 2021 – May 2021
<i>Student Intern</i>	

- Created and presented vital performance reports for stakeholders by cleaning data, manipulating, querying, and joining data from various sources using SQL and Tableau, saving 25% on decision-making time.
- Designed and updated interactive Tableau dashboards that make complex data easy to understand and visually appealing for executive decision-making.
- Enhanced data query efficiency by executing complex database queries, leading to a notable 36% reduction in query retrieval time for reporting and analysis purposes.

ACADEMIC PROJECT EXPERIENCE

Real Time Data Revolution using Kafka Streaming (Kafka, S3, Crawler, Glue, Athena)

- Developed a real-time stock market streaming data pipeline using AWS EC2 instances, achieving a 20% reduction in data processing time, and enabling seamless streaming to a Kafka cluster for low-latency data availability.
- Streamlined an end-to-end AWS ETL workflow, using S3 storage, a custom data crawler, Glue-based transformations, and Athena analytics, leading to a 30% improvement in data accuracy.
- Architected a data infrastructure to manage real-time streaming data for enhanced data-driven decision-making in the financial sector.

Covid-19 Data Analysis (MS SQL Server, Tableau)

- Conducted exploratory Data Analysis on Covid-19 data set to analyze ongoing patterns of infections, mortality, and vaccination rates on a global, continental, and country level using MS SQL Server.
- Built a Tableau dashboard for the global covid infection and death rates and used it to forecast the infection rates for the following months.

Smart Location-based Attendance Register Android App (Java, HTML/CSS)

- Android application implemented using QR code generation, which is scanned by the students to mark their presence in the class, thereby reducing the need for additional biometric scanner devices. The location of a classroom has specific geo-coordinates, and each student's location can be determined by the GPS using smartphone.

ADDITIONAL INFORMATION

Eligibility: Eligible to work in the U.S. for internships and full-time for up to 36 Months without sponsorship.