Gagan N

(91) 9110258548 gaganguru94@gmail.com linkedin.com/gagan-n github.com/GAGANGURU17

EDUCATION

Masters in Data Science (AI/ML) August 2025
Manipal Institute of Technology *Manipal, IN*

BE in Computer Science and Engineering August 2021
Visvesvaraya Technological University *Bengaluru, IN*

EXPERIENCE

Continental Automotive India Pvt Ltd Bengaluru, IN
Backend Developer Intern *November 2024 – Present*

- Developed and maintained backend scripts using Django and Python REST APIs, enhancing system reliability and performance.
- Collaborated with cross-functional teams to integrate front-end components with backend services.
- Implemented robust error handling and logging mechanisms for efficient debugging and monitoring.
- Optimized database queries to reduce response times and improve application performance.
- Assisted in deploying and maintaining server infrastructure for high availability and scalability.
- Conducted code reviews to improve code quality and adherence to best practices.

IQVIA Bengaluru, IN
Big Data Developer *September 2021 – April 2023*

- Enhanced high-performance scripts in HQL, Spark, and Scala, reducing data query latency by 45%.
- Rectified critical production issues, ensuring seamless data flow and integrity.
- Executed data validation processes, achieving 98% accuracy and reducing error rates by 15%.
- Converted SQL scripts to Impala format, optimizing data processes and cutting processing time by 60%.
- Deployed GitLab and Jira, improving code quality and documentation efficiency by 35%.

Revature Chennai, IN
Software Engineer Trainee *June 2021 – September 2021*

- Implemented Apache Hadoop, Sqoop, Yarn, Spark, Hive/HBase, and Kafka, reducing data processing time by 35%.

PROJECTS

Image Processing for Lung Cancer Prediction | *UNet, Python, CNN, TensorFlow/Keras, OpenCV, Pandas, NumPy*

- Developed and compared CNN models for lung cancer classification using 1000+ CT scan images, achieving 99% accuracy.
- Implemented advanced data preprocessing techniques, significantly improving model performance and accuracy.
- Addressed class imbalance using SMOTE and weighted loss functions, boosting minority class F1-score by 25%.

Weather Forecasting using Machine Learning | *Python, Pandas, NumPy, Scikit-learn, TensorFlow/Keras*

- Developed a weather forecasting framework using Linear Regression, Decision Tree, Random Forest, and LSTM models, boosting predictive accuracy by 38%.
- Transformed raw time series data into actionable insights, reducing data extraction and cleaning time by 50%.
- Engineered models achieving R2 scores up to 99%, enhancing predictive accuracy for quarterly revenue estimates.

TECHNICAL SKILLS

Programming Languages:	Python, Python-Django, SQL
Frameworks & Libraries:	Django, REST APIs, Hadoop, Spark, Pandas, Keras, PySpark, NumPy, Matplotlib, scikit learn, RDBMS, NoSQL
Tools & Technologies:	Apache Hive, Apache Sqoop, Web Technology, Google Cloud (Airflow, BigQuery), Git, Linux, LaTeX, Agile/Scrum, WinSCP
Certifications:	IBM Data Science Specialization, IBM Data Engineering, SQL for Data Science, Introduction to Big Data and Hadoop