

GAGANDEEP C M

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Professional Summary

Computer Science and Engineering graduate with a strong interest in data science and analytics. Skilled in Python, SQL, Pandas, NumPy, Django, and REST APIs. Hands-on experience in data cleaning, exploratory data analysis (EDA), data visualization, and basic machine learning. Comfortable working with datasets to find insights and build simple, data-driven solutions. Eager to learn, improve skills, and apply knowledge to real-world problems.

Education

Bachelor of Engineering in Computer Science and Engineering

Sri Venkateshwara College of Engineering, Bengaluru

July 2025

CGPA: 7.55/10 (VTU)

Professional Experience

Data Science Intern

February 2025 – May 2025

TechCiti Software Consulting Pvt. Ltd., Bengaluru

- Performed comprehensive data analysis on real-world datasets including data cleaning, transformation, and exploratory analysis to support business decision-making
- Utilized Python libraries (Pandas, NumPy, PyMySQL) alongside SQL for efficient data extraction, preprocessing, and statistical analysis
- Developed interactive visualizations using Matplotlib and Seaborn to communicate insights and identify trends for stakeholder presentations

Technical Projects

Breast Cancer Detection using Machine Learning and CNN

- Conducted comparative analysis of breast cancer classification using Random Forest, CNNs, and InceptionV3 on labeled medical imaging datasets
- Achieved improved classification accuracy through data augmentation with comprehensive evaluation using precision, recall, and F1-score metrics
- Demonstrated Random Forest efficiency on structured data while CNN and InceptionV3 provided superior results for complex image classification

Custom Transformer-based Large Language Model

- Built Transformer-based language model from scratch with complete control over architecture, training pipeline, and inference mechanisms
- Implemented core components including token embeddings, positional encoding, multi-head self-attention, feedforward networks, and layer normalization
- Developed end-to-end tokenization and text preprocessing pipeline optimized for domain-specific datasets

Technical Skills

Programming: Python, SQL

Databases: MySQL, PyMySQL

Web Development: Django, REST API

Data Visualization: Power BI, Matplotlib, Seaborn

Other: EDA, Data Preprocessing, Feature Engineering

Publications

Comparative Analysis for Detection of Breast Cancer using Machine Learning and CNN

July 2024

4th International Conference on Computer Vision and Robotics, Symbiosis Skills and Professional University