

# GAGANDEEP C M

Bengaluru, Karnataka, India

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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

TechCiti Software Consulting Pvt. Ltd., Bengaluru

February 2025 – May 2025

- 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

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

July 2024