

GAGAN GOWDA B G

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OBJECTIVE

Aspiring Data Science professional with a strong foundation in Computer Science and a passion for solving real-world problems through AI. Currently developing an AI-driven plant disease detection system using deep learning. Fast learner with a structured mindset and solid analytical skills.

EDUCATION

K S Institute of Technology, Bangalore

B.E - Computer Science and Engineering

2026

Bangalore, India

Sri Chaitanya PU College, Bengaluru

Pre-University

2022

Bengaluru, India

Sri Chaitanya Techno School

SSLC

2020

Bengaluru, India

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C-Programming, JavaScript.
- **Competent in:** SQL, Git, GitHub, Jupyter Notebook, Eclipse.
- **Languages:** English (proficient), Kannada (native), Hindi, Telugu.

PROJECTS

Colour-Based Object Sorting System

- Developed an automated color sorting system with image processing and microcontroller control.
- Role: Hardware integration, image processing, and backend logic.
- Technologies: Python, OpenCV, Arduino, Serial Communication, Flask, HTML, CSS.

Dockerized Stock Data Pipeline (Airflow + PostgreSQL)

- Built a containerized ETL pipeline with Apache Airflow to fetch stock data from Alpha Vantage API and store it in PostgreSQL.
- Role: DAG development, pipeline integration, and Dockerization.
- Technologies: Python, Airflow, PostgreSQL, Docker, Git/GitHub.

PhytoDetect AI (Vitis Vinifera)

- Developed a deep learning-based grape plant disease detection system using CNNs and image processing for leaf analysis. Integrated a multilingual NLP chatbot with web/mobile interface and cloud deployment.
- Role: Model integration, backend development, and deployment.
- Technologies: Python, Flask, TensorFlow/Keras, HTML, CSS, JavaScript, Render, GitHub.

ACHIEVEMENTS

- Successfully contributed as a Volunteer in organizing Sentinel Hack 5.0.
- Organizing Committee Member, The Great Bengaluru Hackathon 2025.
- Core Committee Member, College Fest Organization.
- Division-Level Kabaddi Player.

CERTIFICATES & INTERNSHIPS

- React JS Free Course (Scaler Topics)
- C-programming (Course)
- Artificial Intelligence in Industrial and Management Engineering (NPTEL)
- 100 Days of Code: The Complete Python Pro Bootcamp (Udemy)
- Programming Fundamentals using Python (Infosys SpringBoard)