



GUHAN S

+91-8925110226 | sguhan155@gmail.com

[LinkedIn](#) [Portfolio](#) [Github](#)

CAREER SUMMARY:

Analytical and results-driven Data Science graduate with hands-on experience in machine learning, data preprocessing, predictive analytics, and statistical modeling. Skilled in Python, R, SQL, and key libraries such as Pandas, NumPy, and Scikit-learn. Adept at building and evaluating supervised and unsupervised models, creating data pipelines, and developing end-to-end data solutions. Experienced in working with structured and unstructured datasets, model tuning, and data visualization using tools like Power BI and Matplotlib. Passionate about using data to drive insights and improve decision-making.

EDUCATION:

Master of Science in Data Science

Bishop Heber College, Tiruchirappalli | Expected Graduation: 2026
CGPA: 8.5

Bachelor of Science in Computer Science

Dr. NGP Arts and Science College, Coimbatore | 2021 – 2024
CGPA: 7.0

Higher Secondary (XII)

Cheran Matric Higher Secondary School | 2021

Secondary School (X)

Cheran Matric Higher Secondary School | 2019

SKILLS:

- Languages:** Python, R, Java, JavaScript
- AI/ML & Data Science:** Machine Learning, Deep Learning, NLP, Computer Vision
- Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, OpenCV, YOLO
- Frameworks:** Flask, Streamlit
- Tools:** Power BI, Excel
- Web:** HTML, CSS
- Platforms:** Jupyter Notebook, Google Colab, VS Code
- Databases:** MySQL, MongoDB, Firebase
- Soft Skills:** Problem Solving, Communication, Team Collaboration, Positive Attitude

CERTIFICATIONS:

- Cloud Computing
- Diploma in Computer Application
- Python Programming Certification
- Basics of Data Science
- Java Course – Mastering the Fundamentals

INTERNSHIP:

Data Science Intern – CodTech IT Solutions (May 2025)

- Cleaned and analyzed structured and unstructured datasets using Python (Pandas, NumPy) to extract meaningful insights.
- Built predictive models and visualized results using Matplotlib and Power BI to support analytical decision-making.

Machine Learning Intern – Cognifyz Technologies (Dec 2024)

- Developed and optimized machine learning models using Python and Scikit-learn, performing data preprocessing and feature engineering to improve model accuracy.
- Analyzed datasets and created data visualizations with Pandas and Matplotlib to identify patterns and support data-driven insights.

PROJECTS:

AI-Based Accident Detection and Emergency Alert System

- Built a real-time AI system to automatically detect road accidents using deep learning and computer vision.
- Triggered instant emergency alerts with GPS location, enabling faster, life-saving response. Designed a scalable and reliable backend workflow to handle continuous video analysis and emergency alert delivery in real time.

Safe Path Predictor App (AI-Based Navigation System)

- Developed an AI-powered safe route prediction app that analyses environmental and safety factors to recommend the safest walking paths, especially during night travel.
- Calculated safety scores for routes using indicators such as street lighting, police presence, and people density to minimize risk.