

# VISHVASHWARRAN V B

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## PROFESSIONAL SUMMARY

Entry-level Data Scientist with hands-on training in Python, SQL, statistics, and machine learning. Completed the Master Data Science Program from GUVI (IIT Madras Incubated Company) with practical experience in data analysis, data preprocessing, model building, and visualization. Strong analytical mindset with the ability to translate data into actionable insights.

## CORE SKILLS

- Python, SQL
- Data Analysis, Exploratory Data Analysis (EDA), Statistics
- Machine Learning: Classification, Regression, Model Evaluation, AUC-ROC
- Deep Learning, Computer Vision, NLP
- Pandas, NumPy, Matplotlib, Scikit-learn
- Power BI, MySQL

## EDUCATION

Bachelor of Technology (B.Tech) – Information Technology

Sathyabama University, Chennai

2020 – 2024

CGPA: 7.71

### **Higher Secondary Certificate (HSC – 12th Standard)**

State Board, Tamil Nadu

Vidyaniketan Matriculation Higher Secondary School

Year: 2020, Percentage: 68%

### **SSLC (10th Standard)**

State Board, Tamil Nadu

Vidyaniketan Matriculation Higher Secondary School

Year: 2018, Percentage: 86%

## PROFESSIONAL TRAINING & CERTIFICATIONS

Master Data Science Program – GUVI (IIT Madras Incubated Company)

August 2025 – October 2025

Introduction to Cyber Security – Cisco Networking Academy  
Networking Basics – Cisco Networking Academy

## PROJECT EXPERIENCE

### UrbanBot Intelligence – Smart City Analytics Platform

- Designed and implemented a smart city analytics platform to monitor traffic congestion, road conditions, crowd density, and air quality.
- Applied computer vision techniques (YOLOv8, CNN) for vehicle detection and infrastructure monitoring.
- Used time series models (LSTM, ARIMA) for traffic flow and air quality prediction.
- Built interactive dashboards using Streamlit and geospatial visualizations with Mapbox/Folium.
- Deployed components on AWS (EC2, S3, RDS) and integrated an LLM-based chatbot for citizen query handling.

### COVID-19 Data Analysis Dashboard (Power BI)

- Analyzed COVID-19 datasets to identify trends, patterns, and correlations.
- Performed data cleaning and transformation using Python.
- Built interactive dashboards and reports in Power BI to communicate insights.

## INTERNSHIP EXPERIENCE

Operations Analyst Intern  
Kapitus Strategy Private Limited

- Supported operational decision-making through data analysis and reporting.
- Worked with structured datasets to generate insights and improve process efficiency.
- Assisted in preparing reports and dashboards for stakeholders.

## ADDITIONAL SKILLS

- Basic Cyber Security concepts
- Git version control
- Communication and documentation

## CAREER OBJECTIVE

Seeking an entry-level Data Scientist or Data Analyst role where I can apply my data science skills, continue learning, and contribute to data-driven business decisions.