

# VIGNESH V

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## OBJECTIVE

To secure an entry-level role in Data Analytics, Data Science, or Machine Learning where strong skills in Python, SQL, data analysis, exploratory data analysis (EDA), machine learning, and statistical modeling can be applied to analyze complex datasets, build predictive models, and generate actionable business insights that support data-driven decision-making, process optimization, and organizational growth.

## ACADEMIC PROFILE

<b>Master of Computer Application (Data Science)</b>	2024-2026
Takshashila University, Ongur, Tamil Nadu, India  Present	
CGPA: 8.8/10.0	
<b>Bachelor of Computer Application</b>	2021-2024
Loyola College, Tiruvanamalai, Thiruvalluvar University	
CGPA: 7.7/10.0	
<b>HSC</b>	2020-2021
Crescent Matric Higher Secondary School, Cheyyur	
Percentage: 70%	
<b>SSLC</b>	2018-2019
Crescent Matric Higher Secondary School, Cheyyur	
Percentage: 60%	

## SKILLS

### Technical Skills

- Programming & Databases: Python, SQL
- Data Science: EDA, Data Cleaning, Feature Engineering, Predictive Modeling, Model Evaluation
- Machine Learning: Supervised Learning, Classification, Regression, NLP Basics
- Libraries & Tools: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- Visualization & BI: Tableau, Dashboards
- Deployment & Automation: Streamlit (basic), REST API concepts, n8n Automation
- Web Basics: HTML, CSS, PHP

### Soft Skills

- Communication Skills – Effectively convey ideas through both written and verbal mediums.
- Leadership – Experience in managing and coordinating technical committees.
- Team Collaboration – Able to work cohesively in team environments.
- Problem-Solving – Strong reasoning ability enhanced through programming and practical course work.

**Languages:** Fluent in Tamil, English

## PERSONAL PROJECTS

### Loan Acceptance Prediction System

**Problem Statement:** Predict loan approval eligibility to reduce financial risk and improve decision-making.

**Tech Stack:** Python, Pandas, NumPy, Scikit-learn

**Techniques Used:** EDA, feature engineering, data preprocessing, classification algorithms, model evaluation

#### Outcomes:

- Built predictive models using applicant income, credit history, and loan attributes
- Achieved 85% accuracy on validation data
- Identified credit history and income stability as key approval drivers
- Designed for future deployment using Streamlit dashboard

### Image Forgery Detection System

**Problem Statement:** Detect tampered or manipulated images to ensure digital authenticity.

**Tech Stack:** Python, OpenCV, Machine Learning

**Techniques Used:** Image preprocessing, feature extraction, classification

#### Outcomes:

- Successfully classified forged vs. authentic images
- Useful for **media verification, legal evidence analysis, and security use cases**
- Improved detection reliability through noise and edge-based analysis

### **Smart Telegram Bot – Weather & Location Services (n8n)**

**Problem Statement:** Automate real-time weather and location queries using chat-based interaction.

**Tech Stack:** Python, n8n, OpenWeatherMap API, Geocoding APIs

**Techniques Used:** API integration, automation workflows, NLP-based command handling

**Outcomes:**

- Delivered real-time weather updates and city-based information
- Enabled natural language interaction for end users
- Demonstrated real-world automation and REST API usage

### **Online Voting System (Web Application)**

**Problem Statement:** Create a secure and transparent digital voting platform.

**Tech Stack:** HTML, CSS, PHP, MySQL

**Techniques Used:** Authentication, database management, form validation

**Outcomes:**

- Reduced manual errors in vote counting
- Improved transparency and data integrity
- Experience in end-to-end system development

### **Loyola Hostel Website**

**Problem Statement:** Automate hostel record management and reduce manual administrative work.

**Tech Stack:** HTML, CSS, PHP, MySQL

**Techniques Used:** Database management, CRUD operations, form validation

**Outcomes:** Centralized system, reduced paperwork, improved efficiency and data accuracy.

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### **COURSE COMPLETED**

- Successfully completed Infosys Springboard Six-course certification covering Introduction of AI, OpenAI GPT models, NLP, Computer vision101, Deep Learning, and Ethical Ai.
- Successfully completed TCS ION Career Edge – Young Professional in Tata consultancy services from 7th sep 2023 to 5th oct 2023 (1 Month).
- Successfully completed the online certificate course “Machine Learning” in Skillup by simplilearn on 12th sep 2023.
- Successfully Completed the Career oriented course (COC) on “Web Designing” offered by the department of computer science in Loyola College, Vettavalam on 8th april 2024.
- Successfully Completed JWL’s Global English Language Programme following the Cambridge English Limited Course in Loyola College, Vettavalam.
- Successfully completed Process of Fundamental in Celonis from 20th jan 2025 to 25<sup>th</sup> jan 2025 (1 Week).
- Successfully completed the online certificate course “Quantum Computing” in CDAC (Centre for Development of Advanced Computing) from 01th May 2025 to 28<sup>th</sup> May 2025.

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### **Achievements**

- Attended One-Day International Seminar on ”Cloud Computing use for corporate world” at Loyola College.
- Participated in Quiz Competition Organized by the PG Department of Mathematics at Loyola College.
- Participated in Code Debugging & Brochure Editing | Voorhees College, Vellore.
- Won First Prize in Short Film Video Editing | Inter-college Competition at Loyola College.
- Participated in Datathon | Transorg Analytics – Qualified for Final Round.

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### **Program Committee / Member**

- Member of “IT WING (ERP) and Media Committee” in Loyola College, Vettavalam.
- Secretary of “Technical (Multimedia) Committee” in Men’s hostel Loyola College, Vettavalam.
- Mca Class Representative in Takshashila University.
- President of “Coding Club” in Takshashila University, Ongur.

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### **Declaration**

I hereby declare that the above information is correct and true to be of my knowledge and belief.

Date: 20.01.2026

Place: Perumbakkam

Yours Sincerely,  
(V.VIGNESH)