VENKATESHWARAN MANI

Data Scientist | Data Engineer | AI & ML Enthusiast

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Date of Birth: 07/10/2004

CAREER OBJECTIVE

Results-driven **Data Scientist** and **Data Engineer** with a strong foundation in **Artificial Intelligence (AI)**, **Machine Learning (ML)**, and **Deep Learning (DL)**. Skilled in **data analysis, predictive modeling, and business intelligence tools** such as Python, SQL, Power BI, and Tableau. Adept at transforming raw data into actionable insights and developing solutions that drive business growth and innovation.

EDUCATION

Bachelor of Technology in Artificial Intelligence and Data Science
Bharath Niketan Engineering College, Theni, India (Anna University)
2022 – 2026 | Percentage: 82%

Higher Secondary (Computer Science)
PKN Higher Secondary School, Tirumangalam, India
2020 – 2022 | Percentage: 65%

PROFESSIONAL EXPERIENCE

Data Science Intern – Corizo Edutech / Wipro DICE, India
Feb 2025 – Mar 2025

- Executed real-time projects in **Exploratory Data Analysis (EDA)**, **data preprocessing**, and **model optimization**.

- Enhanced ML model accuracy by **20%** through feature selection and hyperparameter tuning.

- Developed **Power BI dashboards** to reduce data analysis time by **30%**.

- Collaborated with teams to identify KPIs and deliver actionable business insights.

Finance Intern – Corizo Edutech / Wipro DICE, India

05 March 2025 – 05 April 2025

Finance_Internship

- Gained foundational experience in **financial analysis**, budgeting, and reporting.

- Assisted in preparing monthly financial summaries using structured data and Excel-based calculations.

- Supported reconciliation activities, ensuring accuracy and consistency in financial records.

- Demonstrated diligence, determination, active participation, and innovative problem-solving throughout the internship.

Human Resources Intern – Corizo Edutech / Wipro DICE, India

05 May 2025 – 05 June 2025

HR_Intern

- Supported HR operations including **recruitment coordination, screening, and onboarding tasks**.

- Assisted with employee data management and HR documentation to ensure compliance and accuracy.

- Contributed to employee engagement activities and communication workflows.

- Recognized for consistency, determination, participation, and innovative thinking during the internship.

PROJECTS

1. Semiconductor Yield Prediction

- Built classification models to predict semiconductor production outcomes.

- Applied **feature engineering**, **PCA**, and **GridSearchCV** for hyperparameter optimization.

- Improved prediction accuracy through data preprocessing and model validation.

2. Anthropometric Data Analysis

- Cleaned and analyzed body measurement datasets using **NumPy** and **Pandas**.

- Visualized **BMI trends** and conducted **statistical correlation analysis**.

- Derived health insights through data-driven analysis and visualization.

TECHNICAL SKILLS

Artificial Intelligence & Machine Learning:
Supervised & Unsupervised Learning, Neural Networks, TensorFlow, Keras, Model Training & Evaluation, Deployable ML Pipelines

Deep Learning:
CNNs, RNNs, LSTMs, Image Classification, NLP Models, Hyperparameter Tuning

Programming Languages:
Python, R, SQL, NoSQL

Data Science & Analytics:
Data Cleaning, Exploratory Data Analysis (EDA), Feature Engineering, Statistical Analysis, A/B Testing

Data Engineering:
ETL Pipelines, Data Warehousing Concepts, Batch & Stream Processing, Workflow Automation, Apache Airflow (basic), API Integration

API & Backend Development:
FastAPI, REST API Development, Authentication, CRUD Operations, Model Deployment via APIs

Web Scraping & Automation:
BeautifulSoup, Selenium, Scrapy, Requests, Automated Data Extraction Scripts

Python Chatbot Development:
Rule-based & NLP-driven Chatbots, Rasa (basic), Transformers-based Chatbots, Intent Classification, Dialog Management

Data Analytics & BI Tools:
Power BI, Tableau, Excel, DAX, Dashboard Development, KPI Measurement

Cloud & Platforms:
Google Cloud Platform (GCP), Compute Engine, Storage Buckets, Data Aggregation, Automation Pipelines

Version Control & Collaboration:
Git, GitHub, Jupyter Notebook, Google Colab

Soft Skills:
Communication, Problem Solving, Data Storytelling, Team Collaboration, Critical Thinking

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CERTIFICATIONS

- **Data Science Internship** – Corizo / Wipro DICE
  Hands-on experience in data science projects

- **Data Science Training** – Corizo / Wipro DICE
  Statistical modeling & ML foundations

- **Introduction to Data Science** – Simplilearn (SkillUp)
  Core data science concepts

- **Data Science Job Simulation – Forage**
  Practical experience in data gathering, exploratory data analysis, and building machine learning models (Completed: Dec 2025)

- **Python Libraries for Data Science** – Simplilearn (SkillUp)
  NumPy, Pandas, Matplotlib for data analysis

LANGUAGES

- English – Professional Proficiency

- Tamil – Native Proficiency

Interests

Artificial Intelligence | Machine Learning | Data Engineering | Cloud Computing | Predictive Analytics | Business Intelligence

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Declaration

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