VENKATESHWARAN T

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🔗 **LinkedIn | GitHub**

Technical Skills

- **Programming:**
  - Python, SQL, Java
- **Machine Learning & AI:**
  - Regression, Classification, Clustering, NLP, Deep Learning
- **Computer Vision:**
  - OpenCV, CNNs, Image Processing
- **Big Data & Analytics:**
  - Data Cleaning, Feature Engineering, Predictive Analytics
- **Visualization & BI:**
  - Power BI, Tableau, Matplotlib, Seaborn
- **Databases & Software:**
  - MySQL, Anaconda, VS Code, MS Office, Unreal Engine
- **Tools:**
  - Pandas, NumPy, TensorFlow, PyTorch, Scikit-learn

Soft Skills

- Team Collaboration & Agile Workflow
- Time Management & Prioritization
- Adaptability & Continuous Learning

Educations

- **Professional Program
  Data Science & Artificial Intelligence**
  360DigiTMG | Aug 2024 – Aug 2025

- **B.E in Computer Science & Engineering**
  Jeppiaar Engineering College, Chennai
  (Jun 2020 – Jun 2024 | CGPA: 8.32)

Languages

- Tamil (Native)
- English (Fluent)

Professional Summary

Data Scientist with experience in **Machine Learning (ML), Natural Language Processing (NLP), and full-stack development**. Proficient in **Python, SQL, TensorFlow, and Power BI**. Strong background in **data analysis, model development, and process optimization**. Skilled in **EDA, predictive modelling, and AI applications**. Passionate about solving real-world problems with data-driven solutions.

Professional Experience

- **Java Full Stack Development Internship**
  Shiash Info Solutions | Jan 2024 – Mar 2024
  - Developed full-stack web apps using **Java**, **React.js**, **HTML**, and **CSS**
  - Built and integrated **RESTful APIs** with a **MySQL** backend
  - Collaborated in an Agile team using **Git** for version control

- **Android App Development Internship**
  SkillVertex | Apr 2023 – May 2023
  - Completed hands-on training in **Android development**, covering core concepts like **XML design**, **Kotlin**, **Android Studio**, and **Firebase integration**.
  - Built and tested functional Android applications.

Projects

Completed 10+ projects including...

- **Optimization of Energy Consumption in Steel Manufacturing Plant**
  Business Problem: Reduce energy consumption and lower costs
  Solution:
  - Collected and pre-processed large datasets using **Python** and **SQL**
  - Performed **exploratory data analysis (EDA)** to identify inefficiencies
  - Visualized insights using **Power BI** to guide decision making

  Tech Stack: Python, SQL, Power BI
  Business Impact:
  - Reduced energy consumption by **25%**
  - Improved overall plant efficiency and cut operational costs

- **RPG Game with AI-Driven NPC Behaviour**
  Business Problem: Static NPC behaviour reduced player engagement
  Solution:
  - Developed an RPG game in **Unreal Engine** using **Blueprints** to simulate adaptive NPCs with **ML-inspired behaviour**;
  - prototyped logic in **Python** and translated into in-game actions

  Tech Stack: Unreal Engine (Blueprints), Python
  Impact:
  - Increased player engagement by **25%** during testing

Certifications

- **NASSCOM Certificate in Data Science and Python**
  NASSCOM Future Skills Prime *(2025)*

- **Professional Data Science & AI Certification**
  360digitmg *(2024)*

- **MS Office Certification**
  Cyber Soft Solution, Chennai *(2019)*