

# VENKAT G R

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[LinkedIn](#) | [GitHub](#) | [Leetcode](#) | [Portfolio](#)

## PROFESSIONAL SUMMARY

Final-year IT student with hands-on experience in **Python development**, **SQL**, and **Big Data technologies**. Completed internships in AI/ML and Big Data with practical projects in healthcare and analytics. Strong foundation in **data analysis**, **machine learning**, and **ETL**. Seeking to contribute as a **Python Developer**, **Software Developer**.

## EDUCATION

### B.Tech, Computer Science & Information Technology

Siddharth Institute of Engineering & Technology | Sept 2022 – May 2026 (Expected) | CGPA: 8.99

### Intermediate (MPC)

Sri Sai Jyothi Junior College | July 2020 – May 2022 | 78%

## SKILLS SUMMARY

**Languages:** Python, SQL, Java, HTML/CSS

**Frameworks:** Pandas, Flask, NumPy, Scikit-Learn, TensorFlow, Matplotlib, Seaborn

**Tools:** Power BI, Jupyter Notebook, Git/GitHub, Apache Spark, MySQL, PostgreSQL

**Soft Skills:** Time Management, Adaptability, Communication, Problem Solving, Team Collaboration

## INTERNSHIP EXPERIENCE

### BIG DATA INTERN | CODTECH IT SOLUTIONS

- Performed data operations on large datasets using Python, SQL, and Apache Spark, improving data processing efficiency.
- Analyzed structured & semi-structured data with PySpark and Power BI, generating actionable business insights.
- Collaborated with cross-functional teams to develop big data solutions for real-time analytics and reporting.
- Gained hands-on experience with distributed computing frameworks and cloud-based data processing pipelines.

July – August 2025

### AI & MACHINE LEARNING INTERN | SMARTBRIDGE EDUCATIONAL SERVICES

- Built Hamato Vision, a CNN model using TensorFlow, achieving 95%+ accuracy in automated blood cell classification.
- Applied advanced ML techniques with TensorFlow, Pandas, and NumPy for healthcare data processing and model optimization.
- Implemented data preprocessing pipelines and feature engineering techniques to enhance model performance.
- Demonstrated practical AI implementation skills through real-world healthcare applications and deployment strategies.

May – July 2025

## PROJECTS

### Hamato Vision - Blood Cell Classification | [GitHub](#)

- Developed CNN model using TensorFlow, achieving 95%+ accuracy in classifying blood cell types from microscopy images.
- Implemented comprehensive image preprocessing and data augmentation techniques, enhancing model robustness by 25%.
- Deployed production-ready model with user-friendly interface for healthcare professionals.
- Conducted thorough analysis of feature maps and model interpretability for clinical validation and trust.

May – July 2025

### Black Friday Sales Prediction | [GitHub](#)

- Analyzed 550,000+ sales records identifying key customer purchasing behaviors and demographic trends.
- Built XGBoost Regressor model achieving 87% accuracy, outperforming baseline algorithms via hyperparameter tuning.
- Deployed interactive Streamlit app with an automated pipeline to handle large model artifacts efficiently.
- Generated strategic insights for inventory optimization and targeted marketing decisions.

April – May 2025

## ACHIEVEMENTS & CERTIFICATIONS

- 2nd Prize** – Project Expo, IT Sutantra 2k25 (June 2025)
- HackerRank Gold Badge** – Python and SQL
- Professional Certificates** – Data Analysis, Python, SmartBridge AI/ML

## HOBBIES & INTERESTS

Chess, Reading books, Coding, Exploring new technologies.