

T. Sivamani Krishna

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Objective

Computer Science graduate specializing in **NLP**, **Generative AI**, **deep learning**, and **Business Intelligence**. Passionate about using **data-driven solutions** to create scalable **AI-driven applications** for **climate-tech** and **business optimization**. Skilled in **Power BI**, **cloud technologies**, and **data engineering** for actionable insights.

Skills

Languages: Python, C, C#, Go, SQL, JavaScript (Next.js, React)

Development: Full-Stack, Backend, Microservices, System Design

Cloud/DevOps: AWS, GCP, Azure, Docker, MLflow

ML/DL: TensorFlow, PyTorch, Scikit-learn, OpenCV

NLP/AI: GPT, BERT, T5, NER, Sentiment Analysis

Data Engineering/MLOps: Vector Databases, Feature Engineering, Pipelines, Model Deployment

BI: Power BI, Data Visualization, Dashboard Development

Other: Agile, Unit Testing, Design Patterns, Debugging

Experience

Software Developer

Sria InfoTech, Hyderabad

June 2023 – July 2024

- Developed a **real-time analytics dashboard** for business metrics, enhancing decision-making by automating data pipelines and improving system efficiency by 30%.

Software Developer

Agrodroid, Hyderabad

Nov 2022 – Mar 2023

- Built an **ML model for cotton detection** using computer vision and deep learning techniques to improve precision in agricultural automation.

Education

Bachelor's	<i>Institute of Aeronautical Engineering, Hyderabad</i> <i>Bachelor's in Computer Science</i>	2021 – 2025 (Expected) CGPA: 7.4
Intermediate	<i>Narayana Junior College, Hyderabad</i> <i>Intermediate</i>	2019 – 2021 Percent: 82.4%
High School	<i>Narayana E-Techno School, Hyderabad</i> <i>High School</i>	2018 – 2019 CGPA: 9.0

Projects

AI-Powered Customer Support Chatbot

- Built a website-agnostic chatbot using **n8n** and **Google Cloud** to automate customer queries and schedule meetings via **Gmail** and **Google Meet**.

Malware Detection using Machine Learning

- Achieved **99.8% accuracy** in classifying malware using a **Random Forest** model trained on system behavior and signature-based features.

Gesture-Controlled Vehicle with ROS2

- Developed a **ROS2-based real-time control system** for intuitive navigation, integrating sensor fusion algorithms for improved control precision.

Certifications

- **Cyber Security** (ISC2)
- **Machine Learning with Python** (Great Learning)
- **Salesforce AI Associate** (Salesforce)
- **PCAP: Programming Essentials in Python** (OPENEDG)

Languages

English, Telugu, Hindi