# Lalitha Samyuktha Jayanthi

+91 7569606146 samyukthajayanthi09@gmail.com Visakhapatnam

## Value Proposition

Data Science graduate with a passion for Generative AI technologies. Eager to contribute to AI-driven solutions by researching trends, developing models, and collaborating on innovative projects. Proficient in Python, AI/ML libraries, and NLP concepts, with hands-on experience in building GenAI prototypes. Strong analytical skills and a commitment to ethical AI practices, seeking to drive business value through creative AI applications.

## Education

- B. Tech | CSE-Data Science | Avanthi Institute of Engineering and Technology | 2025 | 7.88 CGPA
- Intermediate | Sri Chaitanya Jr. College | 2021 | 9.12 CGPA
- Tenth | Sri Chaitanya School | 2019 | 9.5 CGPA

## Technical Proficiencies

- Programming Languages: Python, SQL, PySpark
- Frameworks & Libraries: TensorFlow, PyTorch, Scikit-Learn, NLTK, SpaCy
- Cloud Platforms: Microsoft Azure (Azure Data Factory, Azure Databricks, Azure DevOps)
- Web Development: React (Basic), HTML, CSS
- Tools & Technologies: GitHub, Docker (Basic), Agile Methodologies
- Search Technologies: Familiar with Elasticsearch and Azure Cognitive Search concepts
- Other: Strong troubleshooting, debugging, and problem-solving skills

## Projects

**1. Gen AI Chatbot Development**

- Designed and implemented a chatbot using Python and TensorFlow, incorporating large language model (LLM) prompting strategies to enhance user interaction.
- Applied NLP techniques for intent recognition and response generation, improving accuracy by 20% through iterative testing.
- Hosted the application on Azure for scalable deployment, utilizing cloud-based storage and compute resources.

**2. NLP-Based Text Classification System**

- Developed a text classification model using Python, NLTK, and Scikit-Learn to categorize news articles into predefined topics.
- Implemented deep learning algorithms with PyTorch to enhance model performance, achieving an accuracy of 85%.

**3. Computer Vision for Image Recognition**

- Built an image recognition system using Python and TensorFlow to detect and classify objects in real-time.
- Optimized the model through hyperparameter tuning, reducing false positives by 15%.
- Deployed the application using Azure, ensuring seamless integration with cloud-based APIs for scalability.

**4. Azure-Based Data Pipeline for Analytics**

- Created a data pipeline using Azure Data Factory and Databricks to process and analyze large datasets for a mock business use case.
- Wrote SQL queries to extract actionable insights, presenting findings through visualizations for stakeholder review.

**5. Fun Facts Generator using Pieces, Generative AI 101 Fun Fact Generator**

- Developed a Fun Facts Generator web application using Pieces Copilot and Generative AI 101 concepts; implemented prompt engineering and AI hallucination mitigation to generate accurate, interactive random facts with a user-friendly single-page.

## Internships & Simulations

- AI Intern – AIMER Society | 8 Weeks
- ML Intern – Indian Servers | 8 Weeks
- Data Science Intern – Yhills | 8 Weeks
- Data Science Intern – Prodigy | 4 Weeks
- Job Simulation – TCS | Forage Plat form

## Certifications

- Azure Fundamentals by Microsoft
- Machine Learning with TensorFlow by Coursera
- Google Cloud Gen AI
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.

## Professional Attributes

- Strong passion for learning cutting-edge technologies like Gen AI, NLP, and Computer Vision.
- Proactive problem-solver with a dynamic approach to challenges, demonstrated through academic projects.
- Familiar with Agile frameworks and cross-functional team collaboration from university group projects.
- Intermediate to advanced proficiency in cloud-based development and data engineering workflows.