# Jammana Sai Srinivas

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## Executive Summary

Results-driven Computer Science undergraduate specializing in **Full Stack (MERN)** and **AI-Driven Backend Architectures**. Proven ability to take full **ownership** of complex projects, from optimizing API latency by 30% to engineering **RAG pipelines** and **LLM-powered applications**. Adept at designing scalable databases and secure cloud infrastructure on **AWS**. Passionate proactive learner seeking a challenging internship to apply analytical skills in backend engineering and modern web development.

## Technical Skills

- **Languages:** JavaScript (ES6+), Python, Java, SQL, C
- **Full Stack & Web:** React.js, Node.js, Express.js, HTML5, CSS3, REST APIs
- **AI & Backend:** Flask, **RAG Pipelines**, **LLM Integration**, Vector Embeddings
- **Databases & Cloud:** MongoDB, Firebase, MySQL, AWS (S3, IAM, Glue)
- **Tools:** Git, GitHub, VS Code, Postman, Linux, Godot Engine

## Education

**Vishnu Institute of Technology**                                                                                           **Bhimavaram**
*B.Tech in Computer Science and Business Systems, CGPA: 8.09*                                             *2023–2027*

**APSWREIS Jr College**                                                                                                  **Andhra Pradesh**
*Intermediate (MPC), Score: 90.0%*                                                                                          *2021–2023*

## Projects

**Python, Flask, RAG, LLM**
*DocuFlow - AI-Powered PDF Chat*                                                                                                *Jan 2026*
- Developed a full-stack **Retrieval-Augmented Generation (RAG)** application enabling interactive queries on PDF documents.
- Engineered a robust **Flask backend** for efficient document parsing, chunking, and semantic vector embedding.
- Integrated **Vector Databases** and **LLM APIs** to deliver context-aware AI responses with high accuracy.

**MERN Stack, Firebase**
*Comic-verse*                                                                                                          *Oct 2024 – Dec 2024*
- Took ownership of the product lifecycle for a comic database, implementing **Firebase** authentication and real-time sync.
- Optimized external API consumption logic, successfully reducing page load latency by **30%** through asynchronous handling.

**Node.js, Telegram API**
*PokéBot*                                                                                                                             *Aug 2024*
- Architected a high-concurrency server-side Telegram bot capable of handling real-time statistical requests.
- Implemented complex JSON parsing algorithms with effective rate-limit management, ensuring **99% uptime**.

## Experience

**AWS Academy**                                                                                                                    **Remote**
*Data Engineering Virtual Intern*                                                                                   *Apr 2025 – Jun 2025*
- Designed scalable data pipelines using **AWS S3** and **Glue**; managed ETL processes for large-scale datasets.
- Implemented rigorous database security protocols and **IAM policies** to ensure cloud resource protection.

## Certifications

**AWS Academy**
*AWS Academy Cloud Foundations*                                                                                                     *2025*

**Google Cloud Skill Badge**
*Prompt Design in Vertex AI*                                                                                                         *2025*

**be10x**
*AI Tools & ChatGPT Workshop*                                                                                                        *2024*