

Jaswanth Guruguntla

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Rajampet, A.P - 516126, India.

PROFESSIONAL SUMMARY

Aspiring AI Generalist and Full-stack web developer skilled in HTML, CSS, JavaScript (Front end) and Python, Java, SQL (Backend), with hands-on experience in Flask-based integration and end-to-end web application development. Proficient in VS Code, LaTeX, and GitHub for efficient coding, collaboration, and version control.

Passionate about solving real-world problems using Artificial Intelligence and familiar with a wide range of AI tools and platforms, including Gemini AI, Streamlit, and Lovable. Experienced in building AI-powered applications, prompt engineering, and integration of AI APIs into full-stack solutions.

I aim to contribute both software development expertise and AI-driven innovation to build scalable and intelligent products while continuously embracing new technologies and challenges.

EDUCATION

- Annamacharya Institute of Technology and Sciences** 2022-2026
Bachelor of Technology, CSE(AI), 8.81 cgpa Rajampet-516126
- Space Junior College** 2020-2022
Intermediate, MPC, 85.6% Kadiri-515591
- Sree Sarada English Medium School** 2020
Secondary Education, 95% Kadiri-515591

TECHNICAL PROJECTS

- Todo-List** - JavaScript-powered task tracker with CRUD operations and local storage. March 2025
Tools: HTML, CSS, and JavaScript with Bootstrap
 - Developed an **interactive task management** web application with **persistent storage**
 - Implemented **CRUD functionality** allowing users to **add, complete, and delete tasks**
 - Added **local storage integration** to persist tasks between sessions
 - Included features such as a **task counter, clear all functionality, and responsive design**
 - Utilized modern CSS techniques including **Flexbox, gradients, and animations for enhanced UX**
- Pencil Sketch Generator** - Transforming photos into artistic pencil sketches with AI March 2025
Tools: Python, OpenCV, NumPy
 - Created an **OpenCV** tool that converts **photos to pencil sketches** with adjustable artistic effects
 - Executed **efficient image processing** (blur, inversion, edge detection) in under 50 lines of code
 - Added **URL image fetching** and error handling for robust performance
- YouTube Video Summarizer Pro** - AI tool that summarizes YouTube videos into key insights April 2025
Tools: Python, Gemini AI, Streamlit
 - Engineered a robust transcript extraction system using **proxy rotation** and **YouTube Data API fallback**, achieving 98% success rate across 1,000+ test videos
 - Initiated custom prompt engineering for **Google Gemini 1.5 Pro** to produce structured summaries with key points, examples, and action items
 - Built intuitive **Streamlit** interface featuring **video thumbnail previews, summary length customization, and one-click export functionality**
 - Applied **intelligent caching** to reduce API calls by 40%, reducing operational costs
 - Solved critical IP blocking challenges through **proxy failover mechanisms** and **request throttling**
 - Deployed with **CI/CD pipeline** on Streamlit Cloud, handling over 50 concurrent users

SKILLS

- Programming:** HTML, CSS, JavaScript, Python, SQL, Java
- Frameworks:** Flask, Streamlit, React
- Tools:** VS Code, GitHub, LaTeX, Google AI Pro, Lovable, Bolt

CERTIFICATIONS

- IBM SkillsBuild:** [Artificial Intelligence Fundamentals](#) April 2025
- HackerRank:** [SQL\(Basic\)](#) June 2025
- SkillDzire (Internship):** [Full Stack Java](#) June 2025
- ServiceNow:** [Certified System Administrator](#) July 2025

ADDITIONAL INFORMATION

Languages Known: Telugu, English, Hindi