Jaswanth Guruguntla

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Rajampet, A.P - 516126, India.

SUMMARY

Aspiring AI Generalist and Full-stack web developer skilled in HTML, CSS, JavaScript (Frontend) 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 integrating AI APIs into full-stack solutions.

Eager to contribute both software development expertise and AI-driven innovation to build scalable, 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

PROJECTS

- <u>**Todo-List**</u> **- JavaScript-powered task tracker with CRUD operations and local storage.** *March 2025*
  Tools: [HTML5, CSS3, 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
  ○ Features include **task counter, clear all functionality, and responsive design**
  ○ Utilized modern CSS techniques including **Flexbox**, **gradients, and animations for enhanced UX**

- <u>**Pencil Sketch Generator**</u> **- 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 <50 LOC
  ○ Added **URL image fetching** and error handling for robust performance

- <u>**YouTube Video Summarizer Pro**</u> **- 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%, redusing operational costs
  ○ Solved critical IP blocking challenges through **proxy failover mechanisms** and **request throttling**
  ○ Deployed with **CI/CD pipeline** on Streamlit Cloud, handling 50+ concurrent users

SKILLS

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

CERTIFICATIONS

- **IBM SkillsBuild:** Artificial Intelligence Fundamentals *April 2025*
- **HackerRank:** SQL(Basic) *June 2025*
- **ServiceNow:** Certified System Administrator *July 2025*

ADDITIONAL INFORMATION

Languages Known: Telugu, English, Hindi