

SAATHWIK MAILAPALLI



[Saathwik Mailapalli](#)



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saathwikm.me

Summary :

I am a Data Science Engineering student with a strong foundation in software development and machine learning. Proficient in Python, C++, and SQL, with experience in developing predictive models and web apps. A passionate, community-oriented learner dedicated to solving real-world problems collaboratively.

Education:

Raghu Engineering College | Visakhapatnam

B.Tech , Data Science Engineering | Expected 2026

CGPA: 8.19

Relevant Coursework: Data Structures & Algorithms, OOPS, DBMS, Machine Learning

Sri Chaitanya Junior College | Visakhapatnam

Intermediate (MPC) | 2020-2022

Percentage: 95%

Projects:

Sentiment Analysis Chatbot :

Technologies: Python, NLTK, Flask

Description:

Designed and implemented an interactive chatbot capable of performing sentiment analysis on user input, providing real-time emotional feedback.

Personal Protective Equipment detector :

Technologies: Python, TensorFlow/PyTorch, OpenCV

Description:

Developed a model that identifies and classifies Personal Protective Equipment of Construction workers Live in real time. *(Used a custom Trained data set to train the model)*

J.A.R.V.I.S - A Personal Self learning Ai agent:

(work in progress)

Technologies: Python, mem0, n8n MCP Server, Spotify API, LiveKit, OpenAI models, Serverless backend

Description:

Developed a personalized AI voice assistant in Python that integrates real-time natural language interaction with a self-learning memory system (mem0), automate workflows using n8n MCP server, and control external apps like Spotify.

Technical Skills :

- **Languages:** Python, C++, SQL, HTML/CSS, JavaScript
 - **Libraries/Frameworks:** Pandas, Scikit-learn, Matplotlib, Seaborn, NLTK, TensorFlow/PyTorch.
 - **Databases:** MySQL (Proficient)
 - **Tools & Technologies:** Visual Studio Code, Git & GitHub, Figma.
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Certifications :

- Image Processing with MATLAB
- Python and SQL Skill Rack Certification