

SHYAM J

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Github : [github.com/shyam-210](#) | LinkedIn : [linkedin.com/in/shyamjk10](#) | LeetCode: [leetcode.com/u/shyam_026/](#)

Professional Summary

Final-year B.Tech AI & Data Science student with strong expertise in Machine Learning, Deep Learning, and Generative AI. Experienced in building end-to-end AI solutions from model training to deployment using Flask, Streamlit, Docker, and APIs.

Education

B.Tech Artificial Intelligence and Data Science 2026

At KLN College of Engineering Sivagangai with 8.3 CGPA up to 6th semester

Higher Secondary Schoolings(HSC) 2022

At CSR Memorial Matric Higher Secondary School Madurai with 85% of marks

Skills and Tools

- **Core AI/ML:** ML, DL, CNN, RNN, Computer Vision, NLP, RAG, LLMs
- **Programming:** Python, Java, C, SQL
- **Deployment & Tools:** Flask, FastAPI, Docker, Streamlit, Git, Azure, Jupyter Notebook

Projects

- **Virtual Fencing Project** – Developed an AI-based surveillance system using YOLOv8 and OpenCV to detect objects crossing a user-defined virtual boundary in real time, replacing traditional physical fencing systems.
- **Campus Assistant Bot** – Developed an RAG-powered chatbot for college information retrieval using LangChain & HuggingFace embeddings.
- **Brain Tumor Segmentation Web App** – Built a web app to segment brain tumors from MRI images using U-Net architecture.
- **Alzheimer's Disease Classification** – Classified stages of Alzheimer's from MRI using CNN-based deep learning model.

Certificates

- 5-Day Value Added Course on Microsoft Azure Cloud Computing
- Career Essentials in Generative AI by Microsoft and LinkedIn
- Introduction to Machine Learning – IITKGP (NPTEL)
- Human Computer Interaction (NPTEL)