

Piyush Kumar Srivastav

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SKILLS

- **Programming Languages**-Java, C++, Python, SQL
- **Expertise area**- Data Structures and Algorithms, Backend Development, Generative AI, Machine Learning
- **CS Fundamentals**: Object Oriented Programming, DBMS, Operating System
- **Technologies**- Git/GitHub, Django, Django Rest Framework, REST APIs, Docker, Selenium, AWS, MySQL
- **Soft Skills**-Communication, Collaboration, Teamwork, Commitment, Problem-Solving, Quick Learner

PROJECTS

[AI Dietitian](#) | [Live Website](#) | [Link2](#)

- Developed an AI-based nutrition and wellness platform leveraging advanced algorithms for personalized meal tracking, packaged food analysis, and customized diet planning, and executed this Generative AI project using Django, MySQL, Langchain, Google Gemini APIs, OllamaEmbeddings, implementing a RAG-based customized diet planner deployed on AWS using EC2 instance.

[RAG Conversational Chatbot](#)

- Developed a Document Q&A Chatbot to answer questions specific from the given documents using Langchain, Python, Groq API, Hugging Face, FAISS and Llama3 LLM model

[Facial Recognition system](#)

- With a high accuracy rate of 98%, this project utilizes the Face Recognition library to extract face encodings and user data, stored efficiently in an SQLite database. It enables quick identity verification through webcam video, allowing immediate database addition if no match is found.
- Python Flask, Socket.IO, OpenCV and SQLite power the backend for seamless webcam streaming, while the frontend, using HTML, CSS, JavaScript, and Jinja2, ensures user-friendly interaction.

CERTIFICATES/COURSES:

- [AWS Academy Graduate - AWS Academy Cloud Foundations](#)

ACHIEVEMENTS

1. **Google Cloud, AMD and GFG's Solving for India Hackathon**
 - Advanced to regionals (North Zone) out of 150+ teams, ranking in the top 10%. –
 - Developed a Live Mask Detection Web App using ML, achieving 95% accuracy in real-time testing
 - Incorporated cutting-edge solutions using Google Cloud Platform, HTML, CSS, JavaScript, CNN, Python, and Flask, ensuring a robust and efficient tech stack for seamless integration.
2. **Solved 300+ DSA Problems on Leetcode and GFG combined. Ranked in top 27% Worldwide**

EDUCATION

COLLEGE NAME-

Indian Institute of Information Technology, Sonapat

(2021–2025)

Course: Computer Science Engineering, Overall CGPA (Till 6th Sem): 8.498867

SCHOOL NAME-

St. John's School, Tulsipur, Ghazipur

(2018–2020)

Grade: Percentage (XII) – 97.4%