

Utkarsh Gupta

☎ +917651944195 ✉ utkarsh.g-25@scds.saiuniversity.edu.in 📍 Chennai, India

PROFILE

Evolving Data Scientist & AI/ML Engineer passionate about building impactful real-world AI solutions. Experienced in end-to-end pipelines (OCR, NLP, RAG, and DL), with a strong foundation in statistics and cloud-based ML deployment. Adept at combining analytical rigor with scalable engineering solutions.

EDUCATION

Bachelor of Technology , Sai University <i>🔗</i>	2021 – present Chennai, India
Intermediate , Vidyagyan Leadership Academy <i>🔗</i> Scored 95.4%.	2020 – 2021 Delhi NCR, India
High School , Vidyagyan Leadership Academy <i>🔗</i> Scored 97%.	2018 – 2019 Delhi NCR, India

COURSES

Machine Learning | Deep Learning | Time Series Analysis | Financial Modelling with Python | Probability and Statistics | Data Structures and Algorithms | Data Base Management Systems | Distributed Computing and Big Data | Computer Organization and Architecture | Linear Algebra | Numerical Methods | Theory of Computation | Sports Analytics | Digital Logic Design | Computer Networks

TECHNICAL SKILLS

Programming Languages: Python | R | SQL | C

Libraries & Frameworks: Scikit-learn | Keras | PyTorch | TensorFlow | FastAPI | XGBoost | LightGBM

Data Handling & Visualization: Pandas, NumPy | Matplotlib, Seaborn | Excel (advanced)

Machine Learning & Deep Learning: Neural Networks | CNNs, RNNs, LSTMs | Transformers | LoRA Fine-Tuning

Natural Language Processing: NLP | OCR | RAG | LangChain

Databases: MySQL | VectorDB | GraphDB

Tools & Cloud: Git/GitHub | AWS (Amazon Web Services) | Azure | Google Cloud Platform

APIs and Web Scraping: REST APIs | BeautifulSoup, Scrapy

PROJECTS

Medical Diagnosis Extraction (OCR + NLP)

Built a system to extract handwritten diagnoses from medical forms and classify into ICD-10 codes using pre-trained OCR and NLP models.

Webpage Question Answering (RAG System)

Developed a retrieval-augmented generation system using LLMs to answer queries based on website content.

Talent Acquisition AI Bot

Deployed chatbot for interview management using FastAPI and LLaMA model, with dynamic prompts and evaluation scoring.

Semantic Textual Similarity (STS)

Developed NLP pipeline for measuring semantic similarity between sentences, with streamlit demo.

Image Recognition System

Used transfer learning on Keras applications to fine-tune models for image classification tasks.

Text Classification with Prefix Tuning

Applied prefix tuning on LLMs to enhance performance for customized text classification tasks.

ACHIEVEMENTS

Nationwide Top 30, Bajaj Finserv-HackRx 5.0 Hackathon

Sep 2024

Led a team to Top 30 Nationwide in HackRx 5.0 Hackathon (Bajaj Finserv) with AI-driven healthcare solution

Best Speaker Award,

2022

K.V. Ramani, Chancellor, Sai University

First Debate Competition

- Awarded for outstanding performance in a debate on the topic: "Should primary education prioritize mother tongue or English?"
- Demonstrated critical thinking, effective communication, and persuasive argumentation skills.
- Debate held on the occasion of Matribhasha Diwas (Mother Tongue Day).

SOFT SKILLS

Analytical Thinking, Rapid Learning, Team Leadership, Effective Communication, Adaptability, Attention to Detail

DECLARATION

I Utkarsh Gupta hereby declare that the information shared is provided by me and is correct.



Utkarsh Gupta