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Profile

I **engineer** and **deploy** end-to-end Generative AI and Deep Learning solutions, **pioneering** high-impact applications like a ~97% **accurate HR Chatbot** and a ~98% **accurate Aadhaar Masking** tool. I **leverage** my full-stack expertise (**FastAPI**, **Next.js**, **Docker**, **AWS**) to **architect** scalable and secure systems, **executing** projects from data engineering to final production. I am **skilled** in **NLP**, **Computer Vision**, and **Model Interpretability**, and **committed** to driving innovation and achieving metrics-driven results in complex problem domains.

Professional Experience

Feb 2025 – Present
Udaipur, Rajasthan

Trainee Application

Kansoft Solutions Pvt Ltd

- **Engineered** full-stack GenAI applications using **FastAPI** (backend) and **Next.js** (frontend), and containerized solutions with **Docker** for streamlined deployment and portability.
- **Deployed** and managed scalable AI infrastructure on **AWS (EC2, Bedrock, S3, Lambda)**, applying data engineering techniques to collect and prepare data for advanced analytics.

Jun 2024 – Sep 2024
Mumbai, India

Deep Learning Intern

Projak Infotech Pvt Ltd

- **Fine-Tuned** three deep learning models using **Lightning AI** on **NVIDIA A100/Colab T4 GPUs**, and deployed a scalable solution via **Flask REST APIs** and **Docker** containerization.
- **Achieved ~98% accuracy** across model evaluations and **Designed** the logic for secure **Aadhaar number masking** to ensure stringent data privacy compliance.

Education

Sep 2021 – May 2025
Udaipur, Rajasthan

B.Tech

College of Technology and Engineering

Skills

Python

Machine Learning, Statistical Modelling

Deep Learning

Fast API, Flask

Prompt Engineering

LLMs (Large Language Models)

OCR, Computer Vision

Retrieval-Augmented Generation (RAG)

SQL, Mongo DB

Docker

Next JS, React Js

WebScraping-Selenium,SeleniumBase,BeautifulSoup

AWS-S3,Lambda

Achievements

GATE-DA-2024 Qualified	GATE-DA-2025 Qualified
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Projects

Jul 2025 – Present	HRA Chatbot <ul style="list-style-type: none">• Engineered an AI HR chatbot with LangChain, integrating a 43-document knowledge base via AWS Bedrock, Amazon Titan v3, and Claude 3 Haiku.• Achieved ~97% accuracy in HR responses and Optimized response time to 2–5 seconds for seamless user interaction.
May 2025 – Present	Scraping Tool <ul style="list-style-type: none">• Developed and Automated a custom web scraping tool using SeleniumBase to extract and standardize user reviews from 10 different platforms.• Executed advanced human-behavior simulation to successfully scrape ~500 reviews in a single, block-free flow.
Apr 2025 – Present	Medical Chatbot <ul style="list-style-type: none">• Pioneered a custom, multilingual AI chatbot for IVF clinics, designing 10+ conversation flows and integrating Text-to-Speech (TTS) for universal language support.• Streamlined patient interaction and optimized response handling to deliver accurate answers in under 1 second.
Mar 2025 – May 2025	Report Analyzer <ul style="list-style-type: none">• Developed an intelligent medical report analysis tool for IVF/fertility reports, integrating handwriting recognition to interpret doctors' notes reliably.• Achieved ~95% accuracy in generating structured patient summaries and Ensured safety by validating outputs to prevent incorrect medical suggestions.

Jun 2024 – Sep 2024

Aadhar Masking

- **Engineered** an AI-powered solution to detect and mask Aadhaar numbers for data privacy, utilizing and fine-tuning **three YOLOv8 models** with a unique anonymization approach.
- **Achieved ~98% accuracy** across detection and classification tasks, supporting multi-format compliance for **PNG, JPEG, PDF, TIFF, and DOCX** files.

Feb 2024 – Apr 2024

Plant Disease Detector

- **Engineered** an AI application classifying **38 plant diseases** using a fine-tuned **YOLOv8 model** and leveraging **NVIDIA A100 GPUs** via Lightning API for efficient training.
- **Achieved ~90% accuracy** in disease classification, trained on a large-scale dataset of over **~2,000 images per plant**.