

DAKSH ARORA

- AI Enthusiast

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[LinkedIn](#) | [GitHub](#) | [Kaggle](#)

PROFESSIONAL SUMMARY

Proactive and goal-oriented Data Science student with hands-on experience in Python programming, machine learning, and exploratory data analysis.

Led a startup team to an investor presentation at Pune Incubation Centre. Currently seeking a Machine Learning Engineer role to contribute to impactful projects.

EDUCATION

- Bachelor of Computer Applications - Data Science | Sri Balaji University, Pune | CGPA: 8.68 | 2023 - Present
- 12th, Commerce and IT | Symbiosis College of Arts and Commerce, Pune | GPA: 7.41 | 2021 - 2023
- Web Development CS, Coding Ninjas | 2023-2024
- 10th, Science, Mathematics, and IT | Lokhandwala Foundation School, Mumbai | Result: 92.6% | 2007 – 2021

SKILLS

- Python, SQL, Microsoft Power BI, Microsoft Excel
- Data Science, Machine Learning, Exploratory Data Analysis (EDA), Deep Learning
- Retrieval-Augmented Generation (RAG) FastAPI (Learning), LangChain (Learning), Docker, AWS (Learning)
- API Development (Learning), Cloud Deployment (Learning), Model Fine-Tuning (LoRA/QLoRA) (Learning)
- Problem-Solving, Attention to Detail, Team Management

PROJECTS & EXPERIENCE

Data Science Automation Tool (03/2025 - Present)

- Building a scalable data science tool for EDA, ML operations, and automated question-answering using a RAG-based LLM system.
- Scraping & processing data using BeautifulSoup/Scrapy, Pandas, and DVC for version control. Using SentenceTransformers with FAISS/ChromaDB for scalable vector-based search.
- Integrating FAISS retrieval with an LLM (GPT-4All, LLaMA) via LangChain, with response validation. Implementing user feedback-based active learning with LoRA/QLoRA fine-tuning plans.
- FastAPI-based API, Dockerized for AWS (SageMaker/ECS), with monitoring via CloudWatch.

FastAPI EDA API Instant Data Insights (02/2025 - 03/2025)

- Developed an EDA API for CSV/JSON uploads, automating insights using FastAPI, Pandas, and Docker.

Kaggle System Threat Detection Competition (01/2025 – 02/2025)

- System Threat Detection Kaggle Competition (Ranked 27/900+)
Developed a robust machine learning pipeline for detecting system threats, leveraging scikit-learn, XGBoost, and advanced EDA and data wrangling techniques.
Built a structured data pipeline for feature engineering and model optimization, securing top 3% placement among 900+ participants.

Game Recommendation System Project- GameNext (08/2023 - 02/2024)

- GameNext is an AI-driven game recommendation system utilizing machine learning and psychological profiling to provide personalized game suggestions on 51,000 games.
Built with RAPIDS and CUDA, it accelerates data processing for real-time recommendations.
Technologies Used:
-Machine Learning & AI: Personalized game recommendations using supervised and unsupervised algorithms.
-GPU Acceleration: CUDA-powered computations for high-performance processing.
-Data Analysis & Processing: cuDF and Jupyter Notebook for efficient EDA and model training.

Simple Linear Regression Project (08/2024 - 08/2024)

- Implemented linear regression using Jupyter Notebook, pandas, sklearn, matplotlib.

Printify (Startup Experience) (10/2023 - 12/2023)

- Led a team of 5 members in a 3D printing startup from a college-level competition to an investor pitch at AutoCluster, Pune.

CERTIFICATIONS

- Mathematics for ML - Linear Algebra | Imperial College London
- Mathematics for ML - Multivariate Calculus | Imperial College London
- Japanese Elementary Proficiency | Sri Balaji University Pune
- NVIDIA Adversarial Machine Learning (Enrolled)
- Data Science Foundations: Fundamentals | LinkedIn
- NVIDIA Getting Started with Deep Learning
- Understanding Market Risk in Financial Sector | TCS iON
- Google Data Analytics (Enrolled)
- NVIDIA Building RAG Agents with LLMs (Enrolled)

Certificates Verification and other Certificates: [GitHub - My Certificates](#)

LANGUAGES

- English
(Professional)
- Hindi (Native)
- Japanese
(Elementary)

HOBBIES

- Capital Market
Trading
- Criminal Psychology
Studies