Gaganjot Kaur SHAN

AI Engineer - 2 years

I am a curious and enthusiastic AI developer with hands-on experience in NLP, LLM, data analysis, and web development, I bring a strong foundation in machine learning frameworks, system optimization and ethical AI frameworks.
With high degree of personal initiative and strong drive to innovate, I am seeking an opportunity, to explore new adventures, *available starting mid of August 2025*.

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github.com/gaganjotshan   gaganjotshan.github.io/Portfolio/

EXPERIENCE

AI Developer
Eiffage & CDL

Mar 2025 - Present
Nice, France

- Developing an agent using VLM, computer vision and target prompting for information extraction from document images
- Engineering deployment infrastructure with maintainable package structure, meeting production requirements

Olea Medical & CDL

Nice, France

- Automated quantum computing workflows for MRI analysis, performed Bayesian parameter estimation, segmentation, and classification
- Developed and maintained a modular, config-driven framework
- Lead dev - coordinated cross-functional teams, managed deliverables and tasks

Machine Learning Engineer
iNeuron.ai

Jul 2024 - Mar 2025
India, Remote

- Build ETL pipelines with Apache Airflow, PostgreSQL and performed web scraping
- Developed Power BI expense analysis dashboards, empowering data-driven decision-making
- Architected anomaly detection system and performance monitoring for Fraud Detection

AI Solutions Engineer
Freelancing

Oct 2023 - Mar 2024
Remote

- Built an AI voice assistant using Mistral LLM and RAG with vector databases for accuracy
- Boosted client satisfaction by delivering, context-aware, real-time response
- Optimized voice AI pipelines, cutting response latency using HNSW indexing and distributed processing

Python Developer Intern
SAP Labs

Mar 2023 - Aug 2023
Mougins, France

- Developed a client-server web interface, enabling secure cross-organizational analytics
- Enhanced deployment scalability and reliability with Docker and Kubernetes based containerization
- Automated workflows and API testing (YAML, Shell, Postman) via SAP BTP in an agile environment

TRAINING

Software Engineer
Indian Railways

May 2018 - Jul 2018
Patiala, India

- Engineered a socket-based networking application to monitor real-time data exchange
- Collaborated with cross-functional teams to present insights, improving communication with non technical stakeholders

ML and Mathematics
Indian Institute of Space Science and Technology

May 2017 - Jun 2017
TVM, India

- Applied Physics, mathematical modelling and machine learning techniques to predict equipment failures and optimize maintenance strategies
- Utilised hyperparameter tuning and ensemble methods to enhance model accuracy and reliability

Research Scholar (Inspire Fellowship)
Indian Institute of Science Education and Research

Jul 2013 - Jul 2016
TVM, India

- Intensive courses on the domain of science -Physics, Chemistry, Mathematics, Biology-
- Introductory research work in Computational Chemistry & Biology.

SKILLS

Python	Gen-AI	MLOps
Git	NLP	CI/CD
SQL	Agentic AI	AWS (EC2, S3, Lambda, SageMaker)
Java	TensorFlow	
JavaScript	Scikit-learn	Problem Solving
HTML, CSS	PyTorch	

EDUCATION

Postgraduate *Industrial AI and Data Science*
Centrale Méditerranée et l'Institut 3IA, France

2025-Present

Advance Mathematics, Deep learning, Quantum Machine Learning, Big Data Analytics

Master *Data Science and Engineering*
EURECOM, France

2021-2023
GPA: 3.62/4

Machine Learning, Cloud Computing, Data Base Management, Security & Privacy for Big Data & Cloud, Web development, Semantic Web

Bachelor *Computer Science Eng.*
Chandigarh University, India

2016-2020
GPA: 7.95/10

Operating System, Design and Analysis of Algorithms, Software Engineering, Digital Communication & Computer Networking, Data warehouse & Data Mining

PROJECT

Industry Standard MLOps: Practical Showcase

iNeuron.ai   Apr 2024 - Jun 2024

- Executed end-to-end ML pipeline: data ingestion, transformation, model training and validation
- Developed RESTful API with Flask for model integration
- Orchestrated deployment with GitHub Actions, CI/CD pipelines on AWS

Oscillatory Neural Network for voice spoofing

EURECOM   Sep 2022 - Feb 2023

- Detected voice spoofing attacks, achieved 1.9% performance improvement
- Enhanced model efficiency with bi-directional architecture

LANGUAGE

English (C1)   *French (A2)*   *German (A1)*
Hindi (C2)   *Punjabi (C2)*

INTEREST

Bouldering   *Knowledge Sharing*   *Continuous Growth*
Salsa / Bachata   *Ecology*   *Sustainability*