



# Aryan Saini

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## WORK EXPERIENCE

🏠 – NARAINGARH, INDIA

### VOLUNTEERING EXPERIENCE (SECONDARY EDUCATION) – 08/04/2021 – 20/05/2022

- Actively volunteered for **two years** in the **Swachh Bharat Mission**, promoting cleanliness and public hygiene.
- Participated in a **10-day National Cadet Corps (NCC) training**, gaining exposure to social service, leadership, and discipline.
- Collaborated with the **Rural Health Care Foundation** to support communities during the pandemic.
- Reported and assisted in rescuing injured animals in the local community.
- Provided emotional support to COVID-19 patients, helping to uplift morale during isolation and recovery.

## EDUCATION AND TRAINING

08/2025 – 02/2026 Oslo, Norway

### BACHELOR OF SCIENCE Universitetet i Oslo

Selected as an Exchange Student at the **University of Oslo, Norway (August 2025 – February 2025)**. Will be undertaking advanced courses in **Methods in Interaction Design, Network and Communication Security**, and **Deep Learning for Autonomous Systems**.

**Website** [www.uio.no](http://www.uio.no) | **Field of study** Informatics

20/09/2024 – 29/09/2024 Geneva, Switzerland

### EDGE MACHINE LEARNING SCHOOL CERN

Attended the **SMARTHEP Edge ML School at CERN, Geneva, Switzerland (Sep 2024)**. Trained in real-time Edge ML techniques for science and industry, with hands-on sessions by experts from NVIDIA, AMD/XILINX, and IBM. Topics included **Fast Inference, Model Compression, and Neuromorphic Computing**.

**Website** [indico.cern.ch](http://indico.cern.ch) | **Field of study** Applications of Machine Learning in real world scenarios

25/09/2023 – CURRENT Rome, Italy

### BACHELORS OF SCIENCE Sapienza University of Rome

#### Activities and Societies:

- Member of the Sapienza Aerospace Student Association (**SASA**), contributing to interdisciplinary projects integrating aerospace systems and computational intelligence
- Selected and admitted to **CyberChallenge.IT**, Italy's national cybersecurity training program organized by the Cybersecurity National Lab of CINI. Participated in lectures and hands-on training focused on ethical hacking, cryptography, network security, and secure programming. Designed for top students aged 16–24 to identify and train future cybersecurity professionals.

Currently pursuing **BSc in Applied Computer Science and Artificial Intelligence** at Sapienza University of Rome, focusing on core technical domains such as **Computer Architecture, Data Manipulation & Analysis, Machine Learning**, and **Artificial Intelligence**. Developing strong skills in mathematical modeling, algorithm design, and software engineering for intelligent systems.

**Website** [www.uniroma1.it](http://www.uniroma1.it) | **Field of study** Applied Computer Science and Artificial Intelligence

**Graduated with distinction in the Science stream (Non-medical)** with a strong academic foundation in mathematics, physics, and computer science. Driven to pursue advanced education and research in **Artificial Intelligence, Machine Learning, and Data Science** at top-tier institutions.

Website [davnaraingarh.org](http://davnaraingarh.org) | Field of study Science stream (Non-medical) | Final grade 90.0%

PROJECTS

05/2025 – 06/2025  
Real-Time Facial Emotion Detection

**Computer Vision Project:**  
Developed a real-time facial emotion recognition system using a Convolutional Neural Network (CNN) trained on labeled facial expression data. Integrated OpenCV for video capture and preprocessing, enabling emotion classification from live webcam feeds. Project aimed at demonstrating practical computer vision and deep learning implementation.

05/2025 – 06/2025  
Brexit Vote & Its Economic Shockwaves: UK and EU Markets React

**Data Analysis Project:**  
Conducted an in-depth statistical analysis using **R** to evaluate the economic consequences of the Brexit referendum. Analyzed trends and volatilities in UK and EU stock markets, GBP exchange rates, and shifts in Foreign Direct Investment (FDI) in the UK. Employed time-series analysis, regression models, and visualizations to uncover short-term shocks and long-term economic patterns.

03/2024 – 06/2024  
Social Game Systems (SGS)

**Java Project:**  
Developed and presented a game model, **Social Game System (SGS)**, designed for a dynamic universe of players with structured, reflexive, and symmetrical acquaintance relations. The model introduces player neighborhoods with fixed positions, emphasizing flexible connections and interaction limits. Focused on designing scalable, numerable systems and analyzing social dynamics within constrained environments.

06/2024 – 08/2024  
Predictive Modeling for Housing Market Analysis in Rome

**Machine Learning Project:**  
Designed and implemented a machine learning model to predict rent prices and housing availability in Rome. The model incorporates factors such as location, property size, and utilities to deliver accurate pricing estimates and identify housing trends. Focused on data preprocessing, feature engineering, and model optimization for reliable insights.

SKILLS

Good programming skills (C, Python, Java, C++) | Software libraries (OpenCV, PCL, Tensorflow, ROS) | Data management and Data analysis | Photo-Video Editing | Excellent command of Microsoft Office (Word, Excel, Outlook)

LANGUAGE SKILLS

Mother tongue(s): **HINDI**  
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
ITALIAN	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user