**Siddharth Sharma**



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 **Work Authorisation:** UK and India

# WORK EXPERIENCE

**The Honest Company.**     **Jan 2024 - Present**

*Position: ML Programmer Edinburgh, UK*

* Developed a DM-ML project for plant disease detection, maintaining 95-98% detection accuracy.
* Developed the backend, admin panel, interface, and APIs for connecting ML algorithms and databases.

**SRKMG Pvt. Ltd.**     **Sept 2019 - June 2021**

*Position: Senior Engineer Jaipur, India*

* Developed and implemented integrated work processes to enhance efficiency and project management.

**IRT Digital Analytics Solutions Pvt. Ltd.**      **July 2018 – Aug 2019**

*Position: Associate Consultant*   *Mumbai, India*

* Upgrade from Classic to Lightning as a lone Salesforce developer to optimise UI/UX and achieve a 15% improvement in productivity. Improved client order tracking solutions with complete support for Apex, Visualforce, and Lightning.
* Created prototypes for "Zomato, India" and "Bira, India," which aided in gaining their business.

**Appiro, Wipro Technologies**        **June 2017 – July 2017**

*Position: Software Development Intern Jaipur, India*

* Created a recruitment web application using Salesforce for job seekers and recruiters, learned project management and software development.

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# EDUCATION

**Heriot-Watt University**  **2022- 2023**

*MSc in Artificial Intelligence (2:1) Edinburgh, UK*

**Key Learnings:** Gained proficiency in genetic algorithms, behaviour-based and evolutionary robotics, multi-layered Artificial Neural Networks, and conversational agent design.

**Final Thesis:** Arion Bright - The Elder Scrolls V: Skyrim Conversational Agent (Prompt Engineering, Chat-bot with distinct personalities, Voice Interaction)

**Narsee Monjee Institute of Management Studies**

**(SVKM-NMIMS), MPSTME 2014- 2018**

*BTech. Computer Engineering (2:1) Mumbai, India* **Key Learnings:** Developed foundational knowledge in AI, data structures algorithm design, computer architecture, software engineering, and object-oriented programming.

# Technical Skills

**Programming Languages:** Python, C, C++, Java, C#, .NET, SQL, NoSQL, Apex, Visualforce, Lightning, JavaScript, HTML, CSS, XML.

**Platforms, Tools, and Software:** Salesforce, Unity3D, Unreal Engine, Android Studio, Visual Studio, MongoDB, MySQL, Linux, Windows, VS Code, MATLAB, MS Office Suite, Google Sheets.

**Methodologies:** Machine Learning, Deep Learning, Computer Vision, OpenCV, GANs, Genetic Algorithms, Neural Networks, Robotics, Game Programming and Design, OOPs, Software Engineering, Data Structures and Algorithms Design.

# PROJECTS

**Arion Bright - Conversational Agent, Heriot-Watt University** **May 2023 - August 2023**

* Developed an expert CA (98% accuracy) for “Skyrim” featuring natural dialogues, voice, and text interactions with two distinct personalities.

**3D Parkour Game Design - Joe's Adventure, Heriot-Watt University**   **Jan 2023 - May 2023**

* Designed and developed a 3D parkour game using Unity3D, encompassing gameplay mechanics, level design, and UI/UX enhancements in addition to playtesting the game.

**Breast Cancer Detection Model, Heriot-Watt University**    **Sept 2022 - Dec 2022**

* Developed a multilayer ANN in Python utilising TF for exact breast cancer classification, with 95% accuracy, applying deep learning techniques to medical diagnostics.

**Dustbuster: A vacuum cleaning Bot, NMIMS University**   **Aug 2017 - Apr 2018**

* Engineered an automated vacuum cleaning bot, with a published paper detailing its design and implementation.

**Pharmacy Management System, NMIMS University**   **Jan 2017 - May 2017**

* Created a comprehensive pharmacy management application using C# and MySQL, incorporating login authentication, order tracking, and efficient inventory management functionalities.