

## 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 plant disease detection Data Mining-Machine Learning project with 95-98% accuracy using Python and FastAPI.
- Engineered backend, UI, and APIs, contributing to securing seed funding for an agri-tech startup..

#### **SRKMG Pvt. Ltd.**

**Sept 2019 - June 2021**

*Position: Senior Engineer*

*Jaipur, India*

- Led digitization of company records, improving data retrieval efficiency by 20%, while streamlining workflows for better project management.

#### **IRT Digital Analytics Solutions Pvt. Ltd.**

**July 2018 – Aug 2019**

*Position: Associate Consultant*

*Mumbai, India*

- Led support and development for East-West Seeds' order tracking and inventory systems on Salesforce, upgrading from Classic to Lightning to boost productivity by 15%.
- Created prototypes for Zomato and Bira, directly contributing to securing their business, and provided full Apex, Visualforce, and Lightning support to enhance system performance.

#### **Appiro, Wipro Technologies**

**June 2017 – July 2017**

*Position: Software Development Intern*

*Jaipur, India*

- Developed a recruitment web application using Salesforce, connecting job seekers with recruiters and gaining hands-on experience in full-stack development.

### 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.

#### **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 – Aug 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.