

# Muhammad Sohaib Ashraf

[suhaib.sabi@hotmail.com](mailto:suhaib.sabi@hotmail.com) | +44 75 1764 6682 | [www.linkedin.com/in/muhammad-sohaib](http://www.linkedin.com/in/muhammad-sohaib)

36, Shallcross Crescent, Hatfield AL10 9QH (Willing to relocate)

## Education

---

### University of Hertfordshire

Jan 2018 – Present

- **MSc** – Artificial Intelligence and Robotics
- **CGPA** – 1<sup>st</sup> (Expected)
- **Modules**
  - Theory and Practice of Artificial intelligence
  - Neural Networks and Machine Learning
  - Artificial Life with Robotics
  - Investigative Methods in Computer Science

### University of Management and Technology

Feb 2013 – Dec 2016

- **BS** – Software Engineering
- **CGPA** – 2.8
- **Module**
  - Object-Oriented Programming (A)
  - Computer Vision (B+)
  - Mobile App Development (B+)
  - Computer Graphics (A-)

## Career History

---

### Web Developer (Full Stack) – Epullon

Jan 2017 – Dec 2017

- Responsible as a full stack developer. Completed a web-based business application single-handedly that went into production.
- The technology I worked on included PHP Core, PHP (CodeIgniter), JavaScript, jQuery and Bootstrap.

#### Projects:

- **Eselloapp**: A complete system for online warehouse ordering and catalogue management. Clients can place online orders and warehouse can manage their inventory and deliveries all in a single system.  
Link: [www.eselloapp.com](http://www.eselloapp.com)
- **Premier Polmarex website**: Main website for Canadian logistics company Premier Polmarex to display their products and services.  
Link: [www.premierpolmarex.ca](http://www.premierpolmarex.ca)

### Web Developer (Internship) – Zepto Systems

Jul 2015 – Sep 2015

- An experience that sets the foundation for my professional career where I learnt how to be an effective member of a web development team in a fast-paced environment.
- Worked on PHP Core, PHP (Laravel), JavaScript and jQuery.

#### Projects:

- **Right Jobs**: A website to help people find new jobs.  
Link: <http://rightjobs.pk>

## Volunteer Work

---

### Event Organiser – Leader's Forum (Part Time)

Sep 2013 – May 2017

- Organized events for students including annual sports festival and educational trips.
- Worked as student guide

## Skills

---

### Coding and Algorithm

- Machine Learning
- Python
- C#
- Java
- R
- OpenGL
- JavaScript
- XML
- HTML

### Software

- Unity3D
- Maya
- NetBeans
- Visual Studio
- Adobe Photoshop
- Microsoft Office

### Others

- Communication
- Teamwork
- Problem Solving

## Projects during Studies

---

- **Master Project (Evolutionary Flocking Shooter):** Recently, I have upgraded a game with Genetic algorithm. Bots can learn to locate the target, avoid danger and exterminate it.  
**Technology Used:** Unity3d Engine, Machine Learning, Evolutionary Game, Genetic Algorithm.
- **Snake and Cake:** This game is like the classical Nokia game "Snakes Xenzia" built in C++ and OpenGL.
- **Super Nim (AI):** An advanced form of Nim game with the heaps of sticks, built in python and powered with AI.
- **Age of Empires with AI:** Implemented AI Algorithms on "Age of Empire" like RTS game and made an investigative review on the performance of four different algorithms relative to one another.  
**Technology Used:** Java, Netbeans.
- **Fusion-Fission Dynamics (Robotics):** Netlogo and Thymio robotics projects to follow other robots, detect the obstacles or line and avoid it.  
**Technology Used:** NetLogo, Aseba studio, Thymio Robots, Aseba Playground.

## Personal Project

---

- **Carrom Board:** After the completion of my Master project, I started to work on this project individually.  
**Technology Used:** Unity3d Engine

## Hobbies and Interests

---

- Playing Cricket, Badminton and Table Tennis.
- Travelling and experiencing different cultures.
- Learn about latest scientific research.
- Play video games.

[References and code sample will be provided on request](#)