

# Muhammad Sohaib Ashraf

Address: Bukit Batok, Singapore

Phone: +65 8423 6286

Email: [suhaib.sabi@hotmail.com](mailto:suhaib.sabi@hotmail.com)

LinkedIn: [www.linkedin.com/in/muhammad-sohaib](http://www.linkedin.com/in/muhammad-sohaib)

## EXPERIENCE

### Software Engineer – Oneberry 12/19 – Now

Developing industrial level autonomous mobile robots and working on AI based features using images from the camera.

### Web Developer – Epullon 02/17 – 12/17

Worked as back-end web developer and completed multiple web applications that went into production. Led a team of software developers.

## PROJECTS

### Sidewalk Robot 01/20 – 02/20

Build an autonomous robot that can move and turn on the sidewalk without mapping or localization using camera, Semantic Segmentation, C++, OpenCV, Python, Sabertooth, ROS and Isaac SDK.

### Evolutionary Flocking Shooter 03/19 – 04/19

Upgraded a game with Genetic algorithm in my Master's project. Which enabled bots to learn how to locate the target, avoid danger zone and it after finding its origin. I used Unity3d Engine, Genetic Algorithm and C#. I got 92% marks in this module

Demo Link: [www.youtube.com/watch?v=Agk6WBoY548](http://www.youtube.com/watch?v=Agk6WBoY548)

### Cheffu 14/03/16 – 17/02/17

A web and mobile-based platform for chefs to work online, developed as final year project. The technologies used to develop this project are PHP(CodeIgniter), HTML/CSS, MySQL and jQuery.

## EDUCATION

### MSc Artificial Intelligence & Robotics 01/18 – 05/19

University of Hertfordshire (Distinction – 81%)

### BS Software Engineering 02/13 – 05/17

University of Management and Technology

## PROFILE

Autonomous robotics developer, working as a software engineer (Robotics) at Oneberry Technologies, Singapore. Graduate in MSc AI and Robotics (distinction) with a degree in Software Engineering. Ambitious to seek a career in software development I am experienced in developing software using Python, PHP, C++, C#, OpenGL, OpenCV and machine learning algorithm.

## SKILLS

### Coding

- Web Development
- Machine Learning
- Robot Development
- Data Analysis
- Artificial Intelligence
- Genetic Algorithm
- Game Development
- MySQL
- PHP
- C/C++
- Java
- ROS/Isaac
- Unity3d
- Python

### Other

- Teamwork
- Problem Solving
- Meeting Deadlines
- Creative Thinking

## INTERESTS

- Badminton
- Travelling
- Learning about the latest research and technologies