

# Mehul V. Warade

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## ***Summary***

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I am a young hardworking student doing his Bachelor's degree in Software Engineering (Honours) at Deakin University. I am a fast learner and have always been praised for my punctuality and dedication towards the work. I give my 100% in any work appointed to me. I see that the work is done fully and accurately and give no chance for anyone to complain about me. I am also the recipient of the Global Citizenship Award at Deakin University which is awarded to people who have demonstrated excellent people skills, communication skills, working in teams globally, etc.

## ***Education and Training***

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- Honours in Software Engineering.  
Deakin University, Melbourne, Australia.  
Scored 92% (March 2020 – October 2020).
- Bachelor of Software Engineering.  
Deakin University, Melbourne, Australia.  
Average WAM score of 88 (June 2017 – current).
- High School Education (HSC).  
Dawale College Akola, Maharashtra, India.  
Scored 87.5% (June 2015 - June 2017).
- Secondary School Education (SSC).  
Mount Carmel High School Akola, Maharashtra, India.  
Scored 97.40% (June 2014 - June 2015).

## ***Technical Skills***

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- DevOps (Git, Ansible, Vagrant, Docker).
- Web Development (CSS, HTML, NodeJS, React, Angular, Php and Yii2 framework).
- Software programming languages (C, C++, C#, Java, Android Programming, MySQL database, Batch Programming, JavaScript, Python).
- Proficient in remote server management of Amazon Web Services and game development in Unity.
- Strong base working with embedded systems and clusters management. Cluster development, computation and management using Pegasus, Condor, MPI and Montage.
- Management and development of software for embedded systems such as raspberry-pi, Arduino, Photon, Odroid and Panda-Board.

## ***Projects***

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- SIT431 (Honours Research): Developed a platform-independent flexible framework for evaluation of different cluster configurations. The main focus was to analyze their performance as compared to their energy consumption.
- SEP499 (IT Placement): Developed an automated data collection and analysis software using python for marketing and research purposes. Also, worked with state-of-the-art embedded systems used in agricultural research. Researched and developed a web-software for visualization and analysis of big data collected by the robot.
- SIT306 (IT Internship in Vietnam): Worked on Day Leave Management System for GMO Z.Com VNLabs in Vietnam as a DevOps Engineer.

- XOS348 (IOT study Tour in Vietnam): Collaborated with FPT University in Da Nang, Vietnam to develop a smart remote-controlled Arduino powered car with the obstacle detection system.
- XOS255 (Game Development in China): Collaborated with students from Inner Mongolia University, China in developing a working arcade game in 2 weeks as a study abroad program.
- SIT321 (Software Engineering Methods): Developed a partly functional website for a system that monitors students at risks in our university. <https://sarms-mjsx-sit321.herokuapp.com/>
- Personal project on face recognition and smart home under the guidance of my previous lectures.
- Completed a workshop on “6<sup>th</sup> sense robotics” organized by Tech-fest at IIT Bombay in which we developed a robot controlled by the camera of laptop.
- SIT209 (Software Engineering 2: Developing Internet of Things): Developed a fully functional robot which is controlled by a web page. This was developed as a group project with a group of three people. Secured HD in the unit. <https://shroudsit209.herokuapp.com/>
- SEJ101 (Design Fundamentals): Made a group effort to solve the transport problem at Deakin. We developed a prototype of a car-park for Deakin in an architectural software called Inventor.
- SIT210 (Embedded Device Development): Developed a prototype for a “human following robot”. It was an individual project. Got an 87% overall in that unit.
- SIT107 (Cyber-Physical Computing Design): Developed a smart air conditioning system as a group project with a group of three people. Got a 92% overall in that unit.

## ***Work Experience***

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- October 2020 – current
  - Research Assistant
  - Deakin University, Melbourne.
  - Conducting research in a green-house approach towards modern High Performance Computing (HPC) using low-powered ARM based Single Board Computers.
- June 2020 – August 2020
  - Embedded Software Engineer.
  - Conran Innovations Pty. Ltd.
  - Developed a high accuracy GPD data collection method in embedded systems to improve and automating the farming in Australia using Single Board Computers and robots.
- March 2020 – May 2020
  - Spark Deakin Ideation Program
  - Deakin University, Melbourne.
  - Business oriented placement with the focus of developing one’s own business. Developed an E-commerce business called “The Fast Shop”.
- March 2020 – May 2020
  - Software Developer/ Web Developer
  - Links Project Group Pty. Ltd.
  - Developed an automated data collection and analysis software for marketing and research purposes.
- November 2019 – December 2019
  - DevOps Engineer.
  - GMO Z.Com Vietnam Labs Center.
  - IT Internship of one month working in a professional environment and development of a leave management software for the company.
- August 2017 – current
  - Student Ambassador
  - Deakin University
  - Representing Deakin university in promoting the university as well as my course.

## ***Personal Attributes***

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- **Effective Communication Skills:** Articulate communicator with an appreciation for the different communication styles when working with other team members or with colleagues.
- **Honest and Reliable:** Able to take on tasks with a degree of responsibility due to strong morals and ethics, ensuring honesty and reliability.
- **Flexible:** Understands the need to remain flexible to support last-minute demands and changes. Comfortable with changing environments and situations ensuring the ability to remain flexible and adaptable.
- **Time Management:** Dedicated to effectively prioritizing and managing time by allocating tasks and activities and keeping track of them in diaries and daily to-do lists.
- **Leadership Skills:** Have been appointed as the team leader at my workplace. Gaining appropriate training at workplace has helped me to develop strong leadership qualities and I can easily handle any number of groups.

## ***Referees***

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- Mr Nguyen Xuan Phong (Branch Manager – Vietnam Labs Vietnam)
  - Email: [phongnx@vietnamlab.vn](mailto:phongnx@vietnamlab.vn)
- Kevin Lee (Tutor and Honours Supervisor):
  - Email: [kevin.lee@deakin.edu.au](mailto:kevin.lee@deakin.edu.au)
- Jean-Guy Schneider (Honours Supervisor and Mentor)
  - Email: [jeanguy.schneider@deakin.edu.au](mailto:jeanguy.schneider@deakin.edu.au)