Surya AVALA

**Education**:

**02/2016-07/2018** University of New South Wales, Australia;

Master of Information Technology in Artificial Intelligence, Internetworking.

**2011-2014** City University of Hong Kong, Hong Kong;

B.Eng. (Hons.) Major in Mechatronic Engineering, Minor in Computing.

**2007-2009** Nalanda College of Science and Arts, Vijayawada, Andhra Pradesh, India;

High School Certificate, Board of Intermediate Education, AP, Grade: A.

**1997-2007** Vikasa Vidya Vanam, Vijayawada, Andhra Pradesh, India;

Indian Certificate of Secondary Education, Grade: A.

**Technical Certifications**:

**01/2016** Hewlett-Packard Accredited Technical Professional;

HP-Unix 11i v3 Administrator V1.

**09/2015** International English Language Testing System (IELTS);

Overall - 8.5, Listening - 9.0, Reading - 8.5, Writing - 7.5, Speaking - 8.5, CEFR Level - C2.

**Work Experience**:

06/2017-11/2017 **Machine Learning Engineer** (Part-time)at **iungo.com.au, Sydney;**

Responsibilities: Data Analytics and Machine Learning.

10/2016-05/2017 **Software Developer** (Part-time)at **Hoosh Marketing, Sydney;**

Responsibilities: Product Design Specification, Product Development, Life-cycle Management, Manage Development Team, Software Testing, QA and Support.

04/2016-10/2016 **Teaching Assistant** (Casual) at **CodeCamp, Sydney;**

Responsibilities: Teach Programming (in Stencyl) to Middle/High School Children.

08/2014-02/2016 **Associate System & Application Management & Support Specialist** (Full-time) at **SWIFT**, HK;

Responsibilities: Monitor and Control Live Production Software and Infrastructure (L2 support), Identify troubleshoot mitigate analyze and investigate problems, Automate develop and debug software, Assist in Migration of Hardware and Deployment of new software releases, Create Update and Maintain Technical Documentation Interact communicate and work with Clients and other teams, Ad-hoc projects;

Skills Acquired: Perl scripting, Unix (HP-UX, Solaris), Oracle SQL, cross team collaboration, prioritizing tasks, information broker systems, OMS systems, Critical thinking, problem analysis and problem solving.

09/2011-08/2014 **Co-Founder and Chief Technology Officer** at **Satinos Technologies Private Limited**, Chennai, India;

Projects: Worked on Various projects related to Open Source, Linux Support, Web Development, Software Development and Contented Management.

02/2014-06/2014 **Research Assistant** (Part-time) at **School of Creative Media** in City University;

Research Project: Smart Materials in Pervasive Media;

Skills Acquired: Basic Programming on Processing, Arduino, Action-script, Python, C++, Hardware Hacking.

08/2013-08/2013 **Software Developer Intern** (Full-time) at **HSBC Bank**;

Project: Mobile banking application on iOS and Android;

Skills Acquired: jQuery programming, corporate work culture.

06/2013-08/2013 **Research Intern** (Full-time) at **School of Engineering Science in Simon Fraser University**, Canada;

Research Project: Feasibility of Plasma Ions in Gyroscopes;

Skills Acquired: Building Electronic circuits, Knowledge on Plasma Ions, Electric Glow Discharge, Gas discharge tubes.

08/2012-12/2012 **Student Activity Center Helper** at **English Language Center** in City University;

Skills Acquired: Understanding and cratering the needs of others.

02/2012-08/2012 **Research Assistant** (Part-time) at **Ability R&D Energy Research Centre** (AERC) in City University;

Research Project: Various Projects related to Nanoparticles, Fuel cells, Solar Materials;

Skills Acquired: Team Work, Basic Research Methodology, Literature Review, Research Paper writing.

**Activities and Organizational Involvement:**

**07/2012-08/2014** Floor Representative 11/F, Hall 10, Student Residence, City University.

**08/2011-06/2014** Student representative for Mechatronic Engineering Major at City University (Cohort 2011).

**10/2012-02/2014** President at International Student Society, City University.

**03/2012-12/2012** Student Member at IEEE, IEEE Aerospace and Electronic Systems Society, Computer Society, Robotics and Automation Society, Consumer Electronics Society, Control Systems Society.

**2007-2009** School People’s Leader at Nalanda College of Science and Arts.

**2005-2007** President of Sneha House at Vikasa Vidya Vanam.

**2004-2007** Class representative at Vikasa Vidya Vanam.

Languages:

English (Advanced), Telugu (Native), German (Basic), Hindi (Intermediate), Sanskrit (Intermediate).

**Programming:**

**C (Advanced), C++ (Intermediate), Python (Intermediate), Machine Learning (Keras, Theanos, Tensorflow, Scikit-learn), Java (Basic), Perl (Basic), Shell scripting-ksh,bash (Basic), HTML, CSS, JavaScript (Intermediate), jQuery(Intermediate), Ajax, Oracle SQL, PostgreSQL (Intermediate), Android App Development (Basic), Solidworks (Intermediate), Microsoft Visual Studio (Advanced), Microcontroller Programming using Arduino, LPC Xpresso IDE (Intermediate).**

**Extra-Curricular**:

**08/2011-04/2014** Member of Rugby Society at City University.

**04/2012** Student Representative at City University International Day.

**11/2011** Student Representative at City University Info Day.

**08/2012-12/2012** Physical Education Courses in Archery, Yoga, Tai Chi and Physical Fitness.

**07/2005-05/2007** Community Service at Vikasa Vidya Vanam (1000 hours).

**Achievements and Awards:**

**06/2013** Overseas Internship Scheme Allowance by City University of Hong Kong.

**08/2011-07/2014** International Student Scholarship.

**07/2007** National Merit Award by Andhra Bank.

**Interests**:

Robotics, Aero planes, Space Rovers, Physics, Artificial Intelligence, Automation, Automobiles.

Social work, Community serving, helping others.

Music, painting and photography.