ABHISHEK SANTHOSH JAYA

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LinkedIn Profile

INTRODUCTION

An Electronics and Communication Engineering graduate. Worked on many projects requiring Web design and development, Computer Vision and Electronic hardware interfacing. A Highly motivated and organized individual who is eager to learn and develop. Currently trying to enter the field of software development through a post graduate diploma.

EDUCATION

- **Postgraduate Diploma in Mobile Application Design and Development**   Presently Enrolled
  Lambton College in Toronto, 265 Yorkland Blvd.

- **Bachelor of Technology in Electronics and Communication Engineering**   2013 – 2017
  University of Kerala, Trivandrum, Kerala, India

TECHNICAL SKILLS

- Programming in HTML and CSS
- Programming in Swift and Java
- Programming in MATLAB and Arduino
- PCB design in OrCAD
- Proficient in Microsoft Office – Word, PowerPoint, Excel
- Proficient in Adobe Photoshop
- Managing Databases using MySql

- Experience with Scrum/Agile methodologies – Jira
- Experience with Version Control – Github

PROJECTS AND OTHER WORKS

- *Bachelor's Thesis Project: Automated Parking Lot Manager Using License Plate Recognition*

❑ Implemented a License Plate Recognition algorithm in MATLAB to track vehicles entering and leaving a lot. Maintained a database for vehicles in Excel and generated parking rates based on total parking time. Created a website to pay the fare through PayPal as well as view payment details. For more information, please click here.

- *Aerogrow*

❑ Collaborated with peers to design a PVC based semi automatic aeroponics plant growth system that supports up to 30 plants. Developed a Sensor based real time software control of high pressure pump and formulated low cost chemical nutrient solution. For more information, please click here.

- *Smart Wheelchair prototype*

❑ Implemented Bluetooth wireless control of Arduino based bot with pupil tracking. Isolated pupil movements in MATLAB using camera video of user's face. For more information, please click here.

- *Eagle Eye*

❑ An RC Quad rotor with video camera feedback with up to 20 minutes of flight time. Long distance wireless control from base station achieved over 4G network. PID stabilization, Video camera and rotor implemented on Raspberry Pi. For more information, please click here.

- *Web Development*

❑ Designed and implemented the website for 'SciFarms', an urban farming venture dedicated to ameliorating existing farming methods through technology.

SOFT SKILLS

- <u>Excellent Communication Skills</u>: *Scored an overall 8 band in IELTS.*

- <u>Disciplined and Organized</u>: *Always met assignment deadlines.*

- <u>Team Player</u>: *Collaborated with peers on several occasions to create high quality products.*

- <u>Great Speaker</u>: *Earned the highest grades in the class on both the final year seminar as well as the Bachelor's Thesis Project presentations.*

- <u>Eager to Learn and Constantly Improve</u>: *Taught myself Java, HTML, CSS, PHP and Adobe Photoshop through online resources.*

NOTABLE ACADEMIC ACHIEVEMENTS

- Achieved the highest marks in English in the class XII *Central Board of Secondary Education (CBSE) Examination* held in India.   2013

- Scored in the 89.85 percentile in the *Common Admission Test (CAT)* conducted in India.   2018

EXTRACURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Completed a course on 'Basic Telecom Technologies' at Regional Telecom Training Centre (BSNL), Trivandrum, India.   2016

- Designed and created several banners, pamphlets and posters in Adobe Photoshop to draw attention to events organized by the University of Kerala, India.   2016

- Received the Java 1 and Java 2 certificates from the Cambridge Certification Authority (CCA) for clearing the respective online examinations.   2019