



J.K.S. Anjana

Undergraduate

Department of Electronic and Telecommunication Engineering

University of Moratuwa, Sri Lanka.

Former Intern at Wso2 Lanka (Pvt) Ltd

EDUCATION

- **2016-2020 (expected):**
B.Sc. Engineering (Hons), Department of Electronic and Telecommunication, University of Moratuwa, Sri Lanka.
 - Current GPA – 3.75 (Out of 4.2, up to 6th semester)
 - Dean's List: Semester 1,3
- **2001-2014:**
GCE Advanced Level Examination, GCE Ordinary Level Examination, Grade 5 scholarship Examination, Rahula College, Matara, Sri Lanka.
 - GCE Advanced Level Examination 2015
Physical science
High distinction for all 4 subjects
Z score: 2.5593
National Rank: 85
District Rank: 10
 - GCE Ordinary Level Examination 2011
High distinction for 8 subjects

ACHIEVEMENTS AND AWARDS

- All-Island 85 (Ranked 10th in the District) in GCE Advanced Level Examination 2015 held by the Government of Sri Lanka.
- Runners Up – Xbotics –Robotic competition organized by University of Ruhuna.
- Participated for IEEEExtream13 in 2019
 - World Rank – 510
- Participated for MoraXtream 4.0 in 2019.
- Participated for IEEEExtream14 in 2020
 - World Rank - 320
- Participated for MoraXtream 5.0 in 2020
 - National Rank - 33
- University Color holder for 2018 and 2019.
- SLUSA color holder for 2018.
- Awarded Mahapola Higher Education Merit Scholarship for achieving excellence in the GCE A/L Examination.
- Silver medal – National Western Music Competitions.

ABOUT ME

I am carrying myself as a dynamic fast learning individual with a brilliant academic career and a passion for learning new concepts, technologies, and looking for a career with emerging and challenging

CONTACT



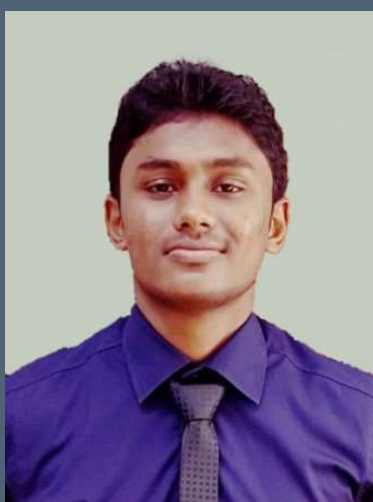
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SKILLS

Programming Languages

PYTHON, MATLAB, ARDUINO PROGRAMMING, JAVA , BALLERINA, VERILOG, C#, C , JAVASCRIPT (adaptable to any programming language and a fast learner)

General Languages

Fluent in both English and Sinhala
– Written and Spoken

Software & Tools

Wing IDE, Net Beans IDE, ORCAD, SolidWorks, MATLAB, ROS, Docker, GitHub, IntelliJ, Microsoft Office and General Application Software (adaptable to any software or tool)

Fast learner, Good communication skills, Team Leadership, Team Management, Team player and Motivated

ACADEMIC AND RESEARCH INTERESTS

- Software Development
- Electronics
- Machine Learning
- Telecommunications
- Networking
- Management
- Robotics

COURSES AND CERTIFICATIONS

- CIMA Foundation level completed.
- Machine Learning by Stanford University on Coursera.
 - Certificate owned
- Google Cloud Platform: Core Infrastructure on Coursera.
 - Certificate owned
- Completed the Foundation course of Microtek Computer Systems. (USA)
- Java and Python computer programming courses.
- Ongoing Courses
 - JavaScript, jQuery and JSON by University of Michigan.
 - Full-Stack Web Development with React Specialization by Hong Kong University of Science and Technology.

PROJECT EXPERIENCES

- Coordinated Multi Device Control System Using Single Multipair Cable – Final Year Project (ongoing)
 - A system that capable of handling 255 slaves with minimum 5KHz update rate.
- Microgateway Integration with Prometheus, Grafana and Jaeger – Individual Internship Project at WSO2
 - Introducing observability feature for Microgateway. This feature was added to the product Microgateway 3.1. A screencast and two articles were done regarding the project.
- Custom build CPU – Group Project
 - Custom CPU using CISC architecture to down sample an image and find average mean error of two pictures.
- Remote controller car using Pic Micro Controllers - Group Project
 - RF transmitted remote controller car by using basic programming skills
- Smart Counter – Individual Project
 - Smart Counter was designed using Verilog Language.
- Power amplifier – Group Project
 - An amplifier circuit to amplify the power.
- Automated irrigation system – Group Project
 - Innovative project to find a solution for a common watering problem for the crops.
- UART receiver and transmitter – Group Project
 - Implementing a UART RTL on a FPGA and developing a testbench
- Coin collecting robot – Group project
 - A line following robot which can collect metallic coins and to climb a 25-degree ramp.



REFERENCES

Dr. Tharaka Samarasinghe

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Department of Electronic and
Telecommunication Engineering,
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University of Moratuwa,
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Moratuwa,
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Dr. Peshala G. Jayasekara

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EXTRA CURRICULAR ACTIVITIES

- Chess – Participated in Provincial and All-Island competition
- Elle – Campus team player and a color holder. Obtain SLUSA colors for Inter University games 2018
- Badminton –Member of the School Badminton squad and played for DS club. Became Runners up at Shuttle Fest 2k18 and Champions in Shuttle Fest 2k20. Also became Runners up at Wso2 badminton championship.
- Won Championship at Wso2 Indoor Cricket Fiesta.
- Fluent in other sports like cricket, basketball, and football
- Fluent in the martial art - Jeet kune Do
- Organizing events – Biggest school science exhibition, prefect oaths at school for 4 consecutive years, "ARE YOU READY" and many other carriers fairs at University.
- Conducting Charity programs all over the country with the help of Sarvodaya.

SOCIETIES AND LEADERSHIP ACTIVITIES

- Co-Chair – IEEE Electronic Design Competition.
- Student Member - IEEE Power Electronic Society, Sri Lankan Section
- Member- IEEE Industrial Electronics Society.
- Senior Prefect – Rahula College
- Chief organizer –Science society, Rahula College
- Team leader - SLU (Sri Lanka Unites)
- Team leader - Mother Sri Lanka project RUN
- Team leader - British Council linking projects
- Treasure - Sinhala literary association, Rahula College.
- Member - Electronic Club of University of Moratuwa,
- Member - Nature team of university of Moratuwa
- Volunteer –IEEE Student Branch of University of Moratuwa
- Team member – Leo Club Matara Nilwala
- Treasure – "Siyapatha" nonprofit charity organization
- Team member – AIESEC Colombo south
- Participated in SLU All Island conferences for two consecutive years.
- Participated in student conference of DFID Global school partnerships
- Participated for Disaster management course held by cadet unit of Rahula college.
- Engaged in leadership programs which are held by Island wide schools.