K.Y.KULINDU ROVIN

INTEGRATED COMPUTER ENGINEERING (UNDERGRADUATE)

+94 76 940 7796

kulindu.20@cse.mrt.ac.lk

205/1A, Jayamawatha, Kadawatha, Western Provice, Sri Lanka

www.linkedin.com/in/kulindu-rovin

https://github.com/RovinKYK

Passionate and hardworking individual with a strong background in embedded software engineering, who continuously pushes myself out of my comfort zone to develop. An extremely fast learner, eager to make a positive impact in the industry.

ACADEMIC QUALIFICATIONS

- B.Sc Engineering (Undergraduate) Computer Science & Engineering, specialized in Integrated Computer Engineering, University of Moratuwa, Sri Lanka (2020 - to date)
  CGPA 3.943 (out of 4.00)
  3rd Highest of the Batch
- Dip in English, Aquinas College of Higher Studies, Colombo (2020) - **Merit Pass**

ACHIEVEMENTS

- Earned placement in the Dean's List in all 4 completed semesters.
- GCE A/L Physical Science Stream, Colombo district 10th with ZScore 2.8186
- Sri Lankan Robotics Challenge - 2022, finalist
- IEEE Xtreme programming competition - 2022, ranked 10th in Sri Lanka, 197th in the world
- MoraXtreme programming competition - 2022, ranked 25th

REFERENCE

Dr. Sulochana Sooriyaarchchi,
Senior Lecturer, University of Moratuwa
sulochanas@cse.mrt.ac.lk
+94 77 669 1011

Dr. Chathuranga Hettiarachchi,
Senior Lecturer, University of Moratuwa
chathuranga@cse.mrt.ac.lk
+94 70 406 7543

PROJECTS

- Remote Baby Monitoring device

  A device communicating with a mobile app to monitor the baby and his environment using sensors and for two-way communication. Emotions of baby cries classified using ML techniques.
  Technologies: TensorFlow Lite, I2S, ESP32I, Android Studio

- Smart Medi Box

  An IoT device to remind medication time for patients while monitoring environmental conditions and update a online dashboard.
  Technologies: MQTT, Node-RED, Altium Designer, EasyEDA, Arduino

- Nano Processor Design

  A Nano processor to decode and execute some machine language instructions.
  Technologies: FPGA, VHDL, BASYS3 board, Machine Language

- Multitask Robot for SLRC Competition

  A robot with multiple capabilities like path finding, arrow direction reading, lifting boxes, obstacle avoiding, etc.
  Technologies: Raspberry Pi, I2C

- Smart Agriculture with Drone and Soil Sensors

  Implemented soil sensor to drone and drone to server communication.
  Technologies: BLE, MQTT, NB-IoT

- Frontend and Backend Development Projects

  Technologies: NodeJS, React, Django, Android Studio, Java, OOP, MySQL, SQLite

OTHER INTERESTS

- Captain of university debate team wining 3 championships.
- Active member of AIESEC, IEEE, Media Club, Astronomical society Drama Club, Hiking Club of the University holding significant positions.
- Cricketer, karateka and a swimmer in schooling days.

SKILLS: Analytical thinking, Teamwork, Communicaiton skills, C++, Python, Java, JavaScript, Object Oriented Programming, IoT protocols, Operating Systems, EDA tools, Microcontroller Programming