

# Yehen Asuramuni

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## EDUCATION

<b>University of Moratuwa, Sri Lanka</b> <i>Bachelor of Science (Hons) in Electronics and Telecommunication Engineering</i>	Feb. 2023 – Present <i>Dean's List: Semester 1</i>
<b>Wesley College, Colombo, Sri Lanka</b> <i>G.C.E Advanced Level (Mathematics, Physics, Chemistry, General English)</i>	Grad-Feb 2022 <i>4As / Z-Score: 2.1511</i>

## EXPERIENCE

<b>Co - Founder</b> <i>Rysera Innovations</i> <ul style="list-style-type: none"><li>Co-founded and currently managing Rysera Innovations, a tech company specializing in web development and product design</li><li>Led teams in micro mouse and IoT competitions, showcasing technical expertise and problem-solving skills.</li><li>Spearheaded an environmental initiative within the company, which are reflected through the projects of the company</li></ul>	Nov. 2023 – Present <i>Colombo, LK</i>
<b>Industrial Engineering Intern</b> <i>Orginal Apparel (PVT) Ltd</i> <ul style="list-style-type: none"><li>Oversaw the eyelet attaching department during production and implemented new strategies that increased efficiency to over 90 percent</li><li>Acted as the officer on duty, and supervised the entire production floor during senior absences, successfully maintaining the predicted efficiency rates.</li><li>Designed and implemented production line layouts to optimize efficiency and increase productivity</li></ul>	Mar. 2022 – Jun. 2022 <i>Bandaragama, LK</i>

## PROJECTS

<b>Rysk Web App</b>   <i>HTML, CSS, Python, Flask, Scikit - Learn, Numpy, Pandas</i> <ul style="list-style-type: none"><li>Built a web app hosted at <a href="https://cancer-risk.onrender.com">cancer-risk.onrender.com</a> which is able to predict the risk of Liver Cancer</li><li>Filtered a dataset from Kaggle using pandas to suit the training of the model</li><li>Trained a logistic regression model using scikit-learn</li><li>Implemented the web app using Flask as the back-end, and simple HTML and CSS with the help of Bootstrap for the front-end</li></ul>	June 2024 – Present
<b>Hike Buddy</b>   <i>Arduino IDE, Solid Works, Altium Designer</i> <ul style="list-style-type: none"><li>Built a multi-functional torch specifically targeting hikers</li><li>Designed the enclosure for optimum comfort for the user by studying hand postures</li><li>Implemented a TDS Sensor to check for water purity at water sources and an Magnetometer module to assist in navigation</li><li>Implemented an emergency SOS button for emergency cases</li></ul>	March 2024 – Present
<b>RyCycle</b>   <i>Python, Flutter, Figma, Altium Designer</i> <ul style="list-style-type: none"><li>Built a bin which incentivizes users to properly dispose of plastics</li><li>Implemented plastic type detection using reflected IR spectrum, improving recycling accuracy</li><li>Designed an integrated app which has a dedicated marketplace to redeem the rewards</li></ul>	December 2023 – Present
<b>Beyond the Sight</b>   <i>Figma, Javascript, React, HTML, CSS</i> <ul style="list-style-type: none"><li>Volunteered to develop a website for the National Eye Hospital of Sri Lanka</li><li>Created a back end admin panel for easy use and management of the site</li><li>Synced our external project 'OPDoc' to help bring online OPD bookings for the patients</li></ul>	January 2024 – Present

## TECHNICAL SKILLS

**Languages:** Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Dart  
**Designer Tools:** Altium Designer, Solid Works  
**Frameworks:** React, Node.js, Flask, React Native, Flutter  
**Developer Tools:** Git, VS Code, Visual Studio  
**Libraries:** NumPy, Matplotlib