



# NETHRU WICKRAMASEKARA

## Undergraduate in Software Engineering

### CONTACT INFORMATION

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### PROFILES



[Nethru Wickramasekara](#)



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### PROFILE

Software Engineering Undergraduate with expertise in Database Management Systems, Web Development, Electronics, and Mobile App Development. Building a strong foundation in software engineering through coursework and personal projects, leveraging Object-Oriented Programming and IoT technologies to design innovative solutions. Passionate about game development and exploring creative ways to blend technology with engaging user experiences. Seeking to apply technical skills and gain practical experience in a collaborative environment. I am a skilled creative professional with experience in video editing, photo editing, content creation, and music production. I focus on delivering high-quality work that captures attention and communicates effectively across different platforms.

### TOOLS

Operating Systems

- Windows, Linux, Mac

Version Controlling

- Git & GitHub

Cloud Services

- Oracle Cloud Infrastructure, AWS, Google BigQuery (Data Warehousing)

IoT & Embedded Systems

- Microcontrollers, Sensors, Circuit Assembly, Hardware Troubleshooting

### PROJECTS AND ACCOMPLISHMENTS

Video Game Industry Insights Platform

- Developed a platform using Python, Google BigQuery, and Tableau to analyze and visualize video game trends.
- Enhanced decision-making by delivering interactive dashboards showcasing market insights, game genres, and user preferences.
- Praised for its comprehensive analysis and intuitive data visualizations, aiding stakeholders in strategic planning.

Automatic Rice Cooker

- Designed and implemented an IoT-enabled rice cooker with Arduino.

Responsive E-Commerce Website

- Created a fully functional e-commerce platform.
- Implemented secure payment gateways and customer management systems.

Environmental Awareness App

- Developed an application to promote environmental awareness and sustainability.
- Integrated features for tracking carbon footprints and suggesting eco-friendly alternatives.
- Received positive feedback for its user-friendly interface and impactful features.

4-Way Traffic Light System

- Designed and developed a 4-way traffic light system with optimized timing algorithms.
- Enhanced traffic management by simulating real-world scenarios.
- Successfully presented the project as part of a coursework.

### RELEVANT SKILLS

- Programming Languages - Java, SQL, JavaScript, Python
- Web Development - HTML, CSS, JavaScript, ReactJS, Bootstrap
- Database Management - MySQL
- Software Development
- Mobile Development - Android Navite( Java, kotlin), Flutter
- IoT Development
- Robotic Application Development

### EDUCATIONAL HISTORY

- BSc (Hons) Computing – Second Year [Higher Diploma in Software Engineering], National Institute of Business Management (NIBM)
- Richmond College, Completed studies from Grade 1 to Grade 13.
- 1.Advanced Level Examination (A/L) Year: 2022  
- Results: 3S (Physical Science Stream)
- 2.Ordinary Level Examination (A/L) Year: 2018  
- Results: 8A 1B