# NAUSHIKHA
# JAYAWICKRAMA

## COMPUTER ENTHUSIAST

**Phone:** +94 76331 6991
**E-mail:** hello@naushikha.com
**Website:** naushikha.com

## PROFILE

Hardworking, self-motivated ambitious programmer with a keen eye for detail. Excellent track record of performance in all tasks undertaken with exceeding 4 years of cumulative industrial working experience in fields such as game development and testing, networking, customer support and tutoring.
Aiming to work in a challenging but friendly environment with a goal to become a part of a team.

## EXPERIENCE

### SOFTWARE ENGINEER INTERN
**SimCentric Technologies (Oct 2021 - May 2022)**
- Working on SAF-TAC: a virtual reality based tactical military simulator.

### PLAYTESTER
**Arimac (Jan 2021 - May 2021 )**
- Testing and evaluating Android mobile games.

### SYSTEM ENGINEER
**Telasis Solutions (2017 - 2019)**
- System and network installation and administration.
- Server and desktop hardware configuration.

### VIRTUAL ASSISTANT
**Voigue (Dec 2017 - Jan 2018)**
- Support team services to handle Daraz.lk's excess user traffic during Christmas of 2017.

### INTERN
**Third Space Global (Dec 2016 - Jan 2017)**
- Online tutoring mathematics for school children stationed in the UK.

## SKILLS

- Linux, networking and system administration
- Game development in Unity (with C#) and Unreal Engine (with C++)
- WebGL graphics and web design
- Hardware installation, upgrading and maintennance
- Quick learning
- Problem solving
- Adaptability
- Fluent communication

## EDUCATION

### BSC (HONS) COMPUTER SCIENCE
**University of Colombo School of Computing (2019 >> )**
- Current GPA: 3.8 (out of 4.0)

### O/L, A/L
**Ananda College, Colombo 10. (2003 - 2016)**
- Ordinary Level    :  9 As
- Advanced Level  :  Z-Score – 2.3634, Island Rank – 8, District Rank – 2

## RELATED TO COMPUTER GRAPHICS

Stated below are a list of projects I have done on my own or developed with the help of a team. These are selected on the basis that they are very closely related to the domain of graphics, game development or simulation.

## PROJECTS

### WHEN ONCE THE SKY WAS BLUE

**Immersive 360˚ Web Experience - 2021**
- Designed using Three.js, pure HTML, CSS and JS.
- Built to showcase at the Women's Theatre Festival '21- "WTFRINGE21".
- Completed entire experience within a short span of 2 weeks.
- Won the award for "Outstanding Visual Design".
  Trailer Link | Award Link | Article Link | Request for Demo

### SATURNX

**A Three.js Demonstration - 2021**
- Designed using Three.js, pure HTML, CSS and JS.
- Demo Link

### VACCINE HUNT

**2D Side Scrolling Platformer - 2021**
- Made with a team for the Global Game Jam 2021 using Unity.
- Was in charge of lighting, sound design and some bug fixing.
  Download Link

### HARD DUOS

**1vs1 Multiplayer Attacker-Defender Game - 2019**
- Made with a team for the IEEE GameRush Hackathon 2019 using Unreal.
- 2nd runner up in the competition.
- Was overseeing sound design and presentation.
  Presentation Link

### TEST ARENA

**3D First Person Shooter - 2017**
- Designed using Visual Basic 6.0, DirectX 8 and TrueVision3D.
- Personal project to explore boundaries of VB6 + TV3D.
  Write-up Link | Demo Video | Unity Remake (2021)

### COMMAND ATTACK 3

**3D First Person Shooter - 2012**
- Designed using Visual Basic 6.0, DirectX 8 and TrueVision3D.
- Built to showcase at the "Anada Abhiman" exhibition of Ananda College.
- Completed 2 levels for the game in 2 weeks, including story, cutscenes and gameplay mechanics.
  Write-up Link

## SOCIETIES

### SEDS UOC

**Web Development Manager (Jan 2021 - May 2022)**
- Leading the creation and maintenance of SEDS UOC website and blog.
- Handling all the web-related technicalities of the organization.

### ICT SOCIETY

**Member**
- Ananda College
- Created 'Command Attack 3' and an interactive presentation.

### ENGLISH DEBATING SOCIETY

**Member**
- Ananda College
- Have participated in numerous debating competitions.

# RELATED TO OTHER DOMAINS

Stated below are a list of projects, certifications and competitions that are outside to the primary domain of interest (computer graphics).

## PROJECTS

### SLMOSYS

**Content and Exam Management System - 2021**
- Designed using pure PHP, HTML, CSS and JS.
- Built for the Sri Lanka Olympiad Mathematics Foundation along with a development team.
  Demo Link

### SPOTIFY WIDGET

**Cloudflare Powered Middleware - 2021**
- Runs as a serverless application on Cloudflare.
- Open source solution that can embed your currently playing song on Spotify in a website as a widget.
  Article Link

### LIGHTER FRAMEWORK

**PHP MVC Framework - 2021**
- Based on the initial SLMOsys framework I designed.
- Modular and a somewhat opinionated framework but is a great lightweight framework to kickstart small PHP MVC applications.
  Repo Link

### SORTIE

**The Moodle Sorter! - 2021**
- Designed using React.
- Helps to easily extract and sort assignments and announcements from any Moodle.
- Used internally at the university by me and friends.
  App Link

### ECOEARTH.LK

**Web Design - 2020**
- Designed using WordPress.
- Minimalistic web development that runs on free services Cloudflare, ForwardEmail and InfinityFree.
  Website Link (Web Archive)

### PERECTITLANKA.COM

**Web Design - 2021**
- Designed using WordPress.
- Ongoing project that is still under development.
  Website Link

### SEDSUOC.LK

**Web and Blog Design - 2021**
- Designed using pure HTML, CSS, JS and WordPress.
- As the web development manager of SEDS UOC, led the team to create and maintain the website and blog.
  Website Link | Blog Link

# CERTIFICATIONS

**GOOGLE CLOUD**
SRE and DevOps Engineer with Google Cloud Specialization (Mar 2021)
Getting Started with Google Kubernetes Engine (Mar 2021)
Logging, Monitoring and Observability in Google Cloud (Mar 2021)
Reliable Google Cloud Infrastructure: Design and Process (Mar 2021)
Developing a Google SRE Culture (Feb 2021)
Google Cloud Platform Fundamentals: Core Infrastructure (Dec 2020)

**CISCO**
Networking Essentials (Jan 2021)
Introduction to Cybersecurity (Dec 2020)
NDG Linux Unhatched (Dec 2020)

**SOPHOS**
Sophos Certified Engineer (Nov 2018)
ET15 - Sophos Central Endpoint and Server v1.0 - Engineer (Nov 2018)
ET80 - XG Firewall v17.0 - Engineer (Nov 2018)
ET01 - Sophos Central Overview - Engineer (Nov 2018)

**SOLOLEARN**
Java Tutorial Course (Oct 2018)
PHP Tutorial Course (Oct 2018)
C++ Tutorial Course (Aug 2018)
JavaScript Tutorial Course (Oct 2017)
HTML Fundamentals Course (Mar 2017)
SQL Fundamentals Course (Apr 2017)

**IDM**
Diploma in Office Application (Jan 2011)

# COMPETITIONS

**ISACA**
iCS - Hack the World - 2021
- Inter university capture the flag (CTF) - cybersecurity competition.
- Our team got short-listed from the initial knockout round.

**SLIIT**
NetCom Competition- 2021
- Inter university networking competition.

**SLUD**
Global Game Jam - 2021
- 48-hour long annual distributed game jam where we create a game.
- Our team participated representing Sri Lanka Unity Developers and built 'Vaccine Hunt' for this competition.

**IEEE**
IEEE Xtreme 14.0 - 2021
- 24-hour long hackathon to solve competitive programming problems.

IEEE GameRush - 2021
- 24-hour long hackathon to design a computer game.
- Our team secured the third place in the competition, with the game 'Hard Duos'.

# REFERENCES

**AIR CDRE (RETD) JAYASIRI AMARASENA**

**CEO**
Sri Lanka CERT|CC
ceo@cert.gov.lk | 077 452 4144

**DR. MANJUSRI WICKRAMASINGHE**

**Senior Lecturer**
**B.Sc Hons in CS (col), PhD (Monash)**
University of Colombo School of Computing
mie@ucsc.cmb.ac.lk | 071 316 8483