CHARU ELPITIYA

Software Engineer

cjelpitiya@gmail.com

http://www.linkedin.com/in/charuelpitiya692842171

+9471 232 3062

64/B, Sudharmarama road, Katubedda, Moratuwa.

PROFESSIONAL SKILLS

- **Coding Languages:**
  Java, Python, C , C++, JavaScript.

- **Frameworks:**
  Spring, Springboot, Angular, ReactJS, Hibernate, .NET.

- **Tools:**
  Visual Studio Code, Visual Studio, Jupyter notebook, IntelliJIdea, WebStorm, Postman ,PyCharm.

- **Architectures:**
  MVC, Layered, SOA, Client Server, Web Application.

- **Design Patterns:**
  Singleton, Factory, Facede, DTO, DAO.

- **Image Analysis:**
  OpenCV, OpenCV-Python, Tensorflow, Keras.

- **Concepts:**
  OOP, ORM, OO Analysis and Design.

- **Databases:**
  MySQL Server(5.6, 5.7, 8.0), MsSQL Server 2014.

- **Other:**
  Git, GitHub, GitLab, Unit testing(testNG), Selenium, MsOffice.

LANGUAGES

- Sinhala
- English
- Japanese
- Tamil

PROFILE

Self-motivated, hard-working IT graduate with a broad foundation in engineering principles. Deep knowledge of Java and Git development environments. Open and clear communicator with good multi-tasking skills, organized nature and strong attention to detail.

ACADEMIC QUALIFICATIONS

1. B. Sc. (Hons) Information Technology / 2016 - Present
University of Moratuwa
GPA: 3.7 (Dean's List in 2 semesters out of 5 semesters)
Modules: Automata Theory, Natural Language Processing, Theory of compilers, Machine Learning and Pattern Recognition, Artificial Neural Networks and evolutionary Computing, Data mining and Data warehousing, Advanced Database Management Systems, Artificial Intelligence

2. G.C.E. Advanced Level (English medium) / 2015
Visakha Vidyalaya, Colombo - 4
Z score: 1.72 (Bio Stream)
Subjects: Biology – A, Chemistry - A, Physics - C

3. G.C.E. Ordinary Level (English medium) / 2011
Results: 9 A passes

WORK EXPERIENCE

CodeGen International (Pvt) Ltd / AUG 2019 - FEB 2020
Trainee Software Engineer
Accomplishments:
- Operated under Agile and Scrum frameworks.
- Design and development of a module in performance appraisal in Kriyo project which performs the function of managing appraisal pillars and expectations as per the designation role. Kriyo is a HRM project currently in fully functional scale within the company. In addition, completed the creation of an Angular library to embed an existing project to increase reusability.
- Successfully completed Internship Grooming Program conducted by CodeGen Toastmaster's Club.

Technology Stack: Java, Angular, Spring, MySQL, FileZilla, Git, GitLab

CERTIFICATIONS

ORACLE Oracle Certified Associate Java SE 8 Programmer 1 Certificate Exam – OCA / SEP 2018

IJSE Advanced Business Solution Developer / OCT 2018 – JAN 2019
Institute of Java and Software Engineering (IJSE) – Panadura
Design and development of E- Commerce level software using modern technologies.

IJSE Professional Certificate Of Comprehensive Master Java Developer / OCT 2017 – JUNE 2018
Institute of Java and Software Engineering (IJSE) – Panadura
OOP, Database Management Systems, Database Programming with JDBC, OO Design Principles.

PERSONAL SKILLS

- Teamwork
- Leadership
- Creative
- Innovate
- Flexibility
- Communication
- Emotional Intelligence
- Active Listening
- Critical Thinking
- Problem solving
- People skills
- Documentation

INTERESTS

- Scrabble
- Swimming
- Creative Writing
- Reading
- Music

REFERENCES

MR. SUMITTA MEDAWATTA
Analysts Systems,
Netcracker Technology
Mobile: +94 777 337 094
Main: +94 117 444 500
Email: sumitta.medawatta@netcracker.com

MR. DINUKA NIRANGA GUNATHILAKA
Team Lead/ Associate Tech Lead - DevOps,
Content Management & Solutions (Pvt) Ltd.
Mobile: +94 712 447 766
Email: dinuka.gunathilaka@team2.cms.lk

PROJECTS

1. DIABETIC RETINOPATHY DETECTION SYSTEM / MAR 2020 - MAY 2021

University of Moratuwa – Level 4 Research Project
This research project aims to design and develop an automated system to detect severity grade of diabetic retinopathy using image processing techniques and deep learning techniques such as convolutional neural networks.
- Technology Stack: Python, C++, opencv-python, tensorflow, keras, Jupyter notebook, PyCharm IDE, OpenCV.
- Model: Convolutional Neural Network Model.
- My Role: Feature extraction using opencv-python, keras, tensorflow.

2. TRAVEL RESERVATION SYSTEM / FEB 2019 - MAY 2019

Institute of Java and Software Engineering (IJSE) – Panadura
This is an Enterprise and E- Commerce level software with the purpose of reserving and managing tours in Sri Lanka.
- Technology Stack: jdk11, IntllijIdea, Visual Studio Code, Apache maven, nodeJS, typescript, postman, HeidiSQL, spring REST, Angular 6, bootstrap.
- My Role: Total Contribution.

3. CHANNELLING CENTER MANAGEMENT SYSTEM / MAY 2018 - FEB 2019

University of Moratuwa – Level 2 Project
This project consists of web application for the use in channelling centers and a mobile application for patients which allows to view medical prescriptions.
- Technology Stack: Visual Studio 2017, .NET Core 2.0, C#.
- Architectural Design: MVC Architecture.
- My Role: Implementation of Inventory Management module for a pharmacy in channelling center.

4. SMART POST BOX / FEB 2017 - DEC 2017

University of Moratuwa – Level 1 Project
This project is an automated post box to solve the problem of handing over of letters to the post office, stamping and receiving acknowledgement for the handing over to the post office.
- Technology Stack: Atmega 32 microcontroller, GSM Module, load sensor, C, Stepper motor, keypad, display.
- Architectural Design: Embedded system.
- My Role: Implementation of GSM module to receive the acknowledgement to the mobile phone.

AWARDS AND ACHIEVEMENTS

UNIVERSITY LEVEL
- Member of Gavel Club of University of Moratuwa
- Colors Awards for Inter-University Netball Tournament – 2017

DHAMMA SCHOOL LEVEL
- Daham Pasal Dharmacharya Certificate Examination – 2017
- Daham Pasal Final Certificate Examination - 2012

SCHOOL LEVEL
- Placed third in Swimming 50-meter Backstroke - Inter House Sports Meet - Visakha Vidyalaya - 2013
- Member of Netball team – Visakha Vidyalaya - 2012
- Participation of CIMA Spell Master competition - 2012
- Member of Senior Western Band at Princess of Wales College - 2010
- Prefect at Princess of Wales' College – 2010
- Captain of Netball Team – 2010
- Champion in Scrabble Under 17 – 2010
- Placed first in High Jump under 17 – Inter House Sports Meet - 2010
- National level first place in junior choir - category A2 in All Island Inter School Western Music and Dance competition – 2008
- National Level third place in Junior Melodica - category A2 in All Island Inter School Western Music and Dance Competition - 2008