Saliya Lakshitha Bandara

LinkedIn: in/saliyabandara
GitHub: SaliyaBandara
Website: saliya.me

saliya_bandara@outlook.com
+94-74-055-3634

EDUCATION

University of Colombo School of Computing *May. 2022 – Present*
Computer Science
Relevant Coursework: Data Structures and Algorithms, Machine Learning and Neural Computing, Middleware Architecture

D.S.Senanayake College, Colombo *2012 – 2020*
Physical Science

NOTEWORTHY PROJECTS

Trading Platform for Financial Instruments

2021 - for Capital Alliance (CAL) Investment Bank
2024 - with OTC instruments for Veritas Capital Partners

Tools & Technologies - Express.js, Vue.js, Socket.io, PHP, MySQL, Nginx, Jenkins, AWS EC2

- Web-based trading platform to trade financial instruments such as commercial papers, securities, debentures, etc.
- Real-time trading, order matching, and order book management are some of the key features of the platform.
- Traders are notified of competing bids and offers in real-time, and they can place bids accordingly.
- The platform also provides a comprehensive dashboard for traders to monitor their portfolio, view historical trades, and analyze market trends. Automated calculations of yield, accrued interest, and other financial metrics are also available.

LiveCollege - livecollege.co.uk
2020 – Present

Learning Management System and integrated E-commerce platform for LiveCollege - online education platform
Tools & Technologies - Python, PHP, MySQL, JavaScript, Apache

- Features - live video lectures, real-time quizzes with live leaderboards, exam system, results, academic note library, video recording library, student certification with shareable digital certificates, project showcase, and more.
- Custom developed DRM system for video recording library to prevent unauthorized downloads and sharing of videos.
- Tightly integrated with the e-commerce platform for course enrollment and subscription management with online payments, recurring payments for installments, discount codes, and etc.

HoloMentor
2024 – Present

Tools & Technologies - Spring Boot, React.js, TypeScript, PostgreSQL, Python, Docker, Jenkins

- A personalized learning and progress tracking system for students preparing for competitive exams.
- Features - personalized study plans, progress tracking, performance analytics, personalized quiz recommendation system for continuous improvement, mock exams, and practice tests to improve their knowledge and skills.
- The platform also provides detailed reports and insights to help students identify their strengths and weaknesses.
- Teachers and mentors can monitor the progress of students, provide feedback, and adjust the study plans accordingly.

BuyADeal - buyadeal.lk
2022

Tools & Technologies - PHP, MySQL, JavaScript, Nginx, Jenkins, AWS EC2

- E-commerce platform for buyadeal.lk - an online marketplace for general consumer goods.
- Features - product listings, shopping cart, order management, payment gateway integration, invoice generation, user reviews, and ratings, wishlist, and more.
- RESTful API for customer and Delivery Partner mobile apps.

HONORS AND AWARDS

- **DevQuest - Runners-Up (Team Arasaka Corp.)** Jan 2024
  International hackathon organized under the tertiary category of SLIIT CODEFEST 2023

- **Algothon 2023 - Winners (Team CompCr3w)** Jan 2024
  Inter-university competitive programming competition organized under the tertiary category of SLIIT CODEFEST

- **CyberZee'23 - Runners-Up (Team Firehackers)** Aug 2023
  Inter-university cyber-security competition organized by University of Kelaniya ISACA Student Group

- **IEEEXtreme 17.0 - World Rank 493 / 4,231 (Team CompCr3w)** — Oct 2023
  Annual global competitive programming hackathon organized by IEEE
- **National Olympiad in Informatics (NOI) 2019 - Top 10 Grand Finalist** — Nov 2019
  National Informatics Olympiad competition to select the Sri Lankan team for International Olympiad in Informatics
- **Duothan 3.0 - Winners (Team Love at First Sight)** — Feb 2023
  Inter-university 07-hour buildathon organized by the IEEE Student Branch of NSBM Green University
- **OpenHack 2.0 - Runners-Up (Team CompCr3w)** — Feb 2023
  Inter-university 12 hour competitive programming hackathon organized by the Mozilla Campus Club of IIT
- **FreshHack 3.0 - Winners (Team CompCr3w)** — Jan 2023
  Competitive progamming hackathon organized by UCSC ISACA Student Group
- **./bashaway 2023 - 4th Place (Team REISUB)** — Oct 2023
  Inter-University Scripting and Automation competition organized by the SLIIT FOSS Community
- **Algothon 2022 - 2nd Runners-Up (Team CompCr3w)** — Jan 2022
  Inter-university competitive programming competition organized under SLIIT CODEFEST 2022
- **Google Code-in 2019 - Merit Award** — 2019
- **SLIIT Robofest 2018 - Merit Award** — Sept 2018
  Open Category - UAV/Drone Competition

LICENSES AND CERTIFICATIONS

High Performance and Mission Critical Software Development Using C++ — June 2023
- Workshop series on High Performance and Mission Critical Software Development Using C++ conducted by LSEG

AWS Educate Introduction to Cloud 101 — Aug. 2023
- Credential ID: 38626d5b-ba4d-4dfb-8650-dee9084b7972

Certificate in Java Application Development - NIBM — Nov. 2018 - Mar 2019
- Certificate offered by National Institute of Business Management NIBM

VOLUNTEERING AND POSITIONS OF RESPONSIBILITY

Chairperson - IEEE Innovation Nation Sri Lanka 2023 - Colombo North Region — June 2023 – Feb 2024
Led and organized the Colombo North regional competitions, workshops, knowledge sessions, etc for IEEE Innovation Nation Sri Lanka 2023 - a national-level innovation and entrepreneurship competition.

Problem Setter - National Olympiad in Informatics (NOI) 2024 — Jan 2024 – May 2024

IEEE Student Branch of University of Colombo School of Computing — Aug 2022 – June 2024
- Webmaster - Managed the official website, SB Event Websites, Registration Systems, etc. of the IEEE SB of UCSC.
- Organizing Committee Co-Chair - Infinite Loop 1.0 Workshop Series
- Organizing Committee Member - MadHack 2023, IEEE Day 2023, IntelliHack 3.0

Webmaster - Computer Science Society of University of Colombo — Feb 2024 – Present

Web Team Member - ACM Student Chapter of University of Colombo — Dec 2022 – May 2023

EXPERIENCE

Freelance Web Developer — 2020 – 2023
- Developed and maintained web appliactions for local/international companies, businesses, educational institutes, government institutions, and non-profit organizations.

SKILLS & INTERESTS

Languages: C, C++, Python, Java, JavaScript, TypeScript, PHP, Scala

Developer Tools: Git, Figma, GitHub Workflows, Jenkins, Linux

Frameworks: React.js, Express.js, Tailwind CSS, Bootstrap, Spring Boot, Laravel

Cloud/Databases: MySQL, PostgreSQL, MongoDB, Azure, AWS EC2, Jenkins, Docker, Kubernetes

Soft Skills: Writing, Teamwork, Problem Solving, Adaptability

Areas of Interest: Software Engineering, High Performance Computing, Full Stack Development, Machine Learning

REFERENCES

- **Mr. Pubudu Liyanage** - Senior Lecturer, University of Colombo School of Computing
  Email: pdl@ucsc.cmb.ac.lk **LinkedIn**: in/pubuduliyanagelk **Phone**: +94777788361