Chamin Jayasooriya

About

An enthusiastic learner who has a hands-on experience in designing and developing software applications. Able to handle any challenging situation with adaptability, management and communication skills.
"Imagination is my enthusiasm."

Interests

- UI/UX
- ML
- SEO
- Web & Mobile Apps
- Cloud Computing
- CV
- Network Security
- Astronomy
- Photography

Skills

- Python
- JavaScript
- C
- React
- Java
- MySQL
- HTML
- CSS
- Bootstrap
- Android
- PHP
- C++
- Linux
- Git
- Flutter

Contact

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◎ sololearn.com/Profile/1019728

Education

University of Peradeniya | (2016-present)
B.Sc. in Computer Engineering – current GPA 3.095

Esoft Metro Campus | (2012-2013)
Diploma in Information Technology

Bandarawela Central College | (2007-2015)
G.C.E. Advanced Level - Physical Science Stream

Online Learning

- **Computer Vision (OpenCV and Python)** | Coursera Project Network
- **C, C++, Java, Python, PHP, SQL, JavaScript, HTML Courses** | SoloLearn
- **Deep Learning with PyTorch**| Jovian.ai and freeCodeCamp
- **UI / UX Design** | California Institute of the Arts via Coursera
- **AWS Fundamentals**|Amazon Web Services via Coursera

Projects

InvSys | Inventory Management System `ReactJS JavaScript MySQL Bootstrap`
A web application developed to computerize the inventory of the Computer Engineering Department. Role based authentication and authorization, central database to retrieve and manage inventory items, items and services requesting and proceeding are some of the main features in the system.
Contribution: System architecture design, server and middleware development, Frontend development, Testing

Imbalanced Binary Classification `Python NumPy Pandas`
An academic project that was focused on solving a binary classification problem. Various ML models were pipelined and tested for the accuracy of the prediction. Was able to reach the second most accuracy in the Kaggle competition.

Automated Trading Platform `Python NumPy Keras ReactJS MongoDB`
A web application that can be used to help the trader to predict future values in binary trading more precisely. ML model was developed with RNN and LSTM. It is able to predict upcoming values real-time with a higher accuracy.
Contribution: Literature survey, Developed ML model

FoxLearn | Web Based Learning Environment `Gcloud JavaScript ReactJS MySQL`
A web application to interact students with teachers and make their progress in a particular subject through quizzes.
Contribution: Database design and development, UI/UX designs, Frontend development

Ignio | Fire Alert System `NodeMCU Arduino Spring MongoDB`
The embedded system project, which was developed to detect and give warnings when a fire starts. System tracks environmental conditions and send data to a server. User can view that data real-time and remotely via a web interface.
Contribution: System architecture design, Developed the hardware nodes and tested. Frontend development

Mobimart | Android App for Supermarket Chains `Android Java Firebase`
A mobile app which is focused on supermarket chains and consumers. Supermarkets can display their daily prices and availability to consumers and consumers can select the ideal place to go based on prices and location.
Contribution: Concept and project management, System design

References

Dr. Suneth Namal Karunarathna
Ph.D. (Oulu, Finland) | M.Sc. (France) |
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Action Recognition in Sports `OpenCV PyTorch OpenPose NumPy` Ongoing
Final Year Project. Action recognition, localization, video classification are the main goals in terms of machine learning. Mobile app is being developed that can be used to track player movements and to recognize actions. Deep learning techniques are used to develop the model.

BugPal | Bug Tracker `React Native Firebase ReactJS JavaScript Bootstrap` Ongoing
A mobile app and a web application that can be used in software development process to track issues and bugs found by the development team. Authentication, tracking issues and push notification are the main features.

codEd | Native Mobile App `React Native` Ongoing
A mobile application to quickly navigate and learn data structures, algorithm concepts and common questions and answers in coding interviews.

Shop4Me | Android App for Shopping `Android Java Firebase`
An Android application similar to Uber but for shopping. The concept is similar to Uber but has some new features. Won the runners up award in ACES Hackathon 2018.

SMSPOT | Android App to Find the Lost Phone `Android Java Firebase`
An Android app that can be useful when the phone is lost. Has some features like ringing the phone, get the current location of the device, wiping out data etc. This project won the 3rd price in ACES Hackathon in 2017.

Extra Curricular Activities

Casual Instructor (2020)
- Casual Instructor at the Department of Computer Engineering for Programming Methodology course.

Secretary | Association of Computer Engineering Students (2019-2020)
- Secretary of the student body of the Department of Computer Engineering.
- ACES Hackathon 2019, ACES Coders v8.0, Project Symposium, Career Fair and Technical Sessions were conducted in collaboration with the students, academic staff, alumni and the industry during the term.

Senior Prefect | Bandarawela Central College (2012-2015)
- Coordinated events and held responsibilities and interacted with students and the staff.

Member| Rotaract Club of University of Peradeniya (2018-2020)
- Engaged in community services and activities.

Volunteer| Arunella Educational Charity Program (2017)
- A resource person and a coordinator in seminar series for school students in remote areas to develop their social and educational skills.

Competitions

RealHack 2018
- (Inter-university Hackathon | Finalist)

ACES Hackathon 2018
- (Runners up | Network and System Category)

ACES Hackathon 2017
- (3rd place | Software Category)

ACES Coders V7.0
- (Inter-university Competitive Coding Competition | Finalist | Top 25)

IEEEXtreme 13.0