

University of Kelaniya

Open-Source Summit '24

Open-Source Summit '24

Empowering Open-Source Innovation in University of Kelaniya



27th April, 2024



Faculty of Computing and Technology,
University of Kelaniya, Sri Lanka

Organized By



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களனி பல்கலகைக்கழகம்
UNIVERSITY OF KELANIYA

Community Partners



Free and Open Source
Community
Sri Lanka



CLOUD NATIVE
SRI LANKA



GitHub
Campus Experts

FOSS Community

University of Kelaniya



The University of Kelaniya boasts a thriving Free and Open-Source Software (FOSS) community, brimming with passionate students, developers, and innovators. We are dedicated on:

- Promoting open-source technologies and philosophies
- Cultivating collaborative learning and knowledge sharing
- Developing practical skills through workshops, hackathons, and real-world projects
- Building a diverse and inclusive tech ecosystem within the university and beyond
- Building a transparent community that always values integrity and core values



Open-Source Summit '24

This proposal outlines Open-Source Summit 24, a six-days filled with learning sessions with hands-on workshops and a developer summit designed to empower University of Kelaniya students with open-source knowledge, practical skills, and opportunities to engage in the tech community. With a focus on cutting-edge topics such as cloud native development, secure coding, and Artificial Intelligence. The event aims to bridge the gap between academic learning and industry demands, preparing students for future careers in computing technology.

Target Audience

Open-Source Summit 24 is targeted towards all students at University of Kelaniya, regardless of their academic year or technical background. We aim to foster a diverse and inclusive environment where beginners can discover the world of open-source, intermediate students can deepen their knowledge, and advanced developers can share their expertise.





Empowering open-source innovation in University of Kelaniya



Event Overview

- **Date:** 27th April, 2024
- **Participation:** 250+ computing undergraduates at University of Kelaniya, Sri Lanka
- **Location:** Faculty of Computing and Technology, University of Kelaniya, Sri Lanka
- **Duration:** 5 days with 4 days of pre-summit workshops
- **Session formats:** hands-on workshops, panel discussions, lightning talks, keynote addresses



Event Objectives

- Equip students with practical skills and knowledge in relevant open-source technologies
- Expose students to cutting-edge trends and innovations in the open-source world
- Promote collaboration and networking opportunities within the local and international tech community
- Inspire students to contribute to open-source projects and become active members of the community
- Highlight the potential of open-source for solving real-world problems in Sri Lanka

Summit Tracks

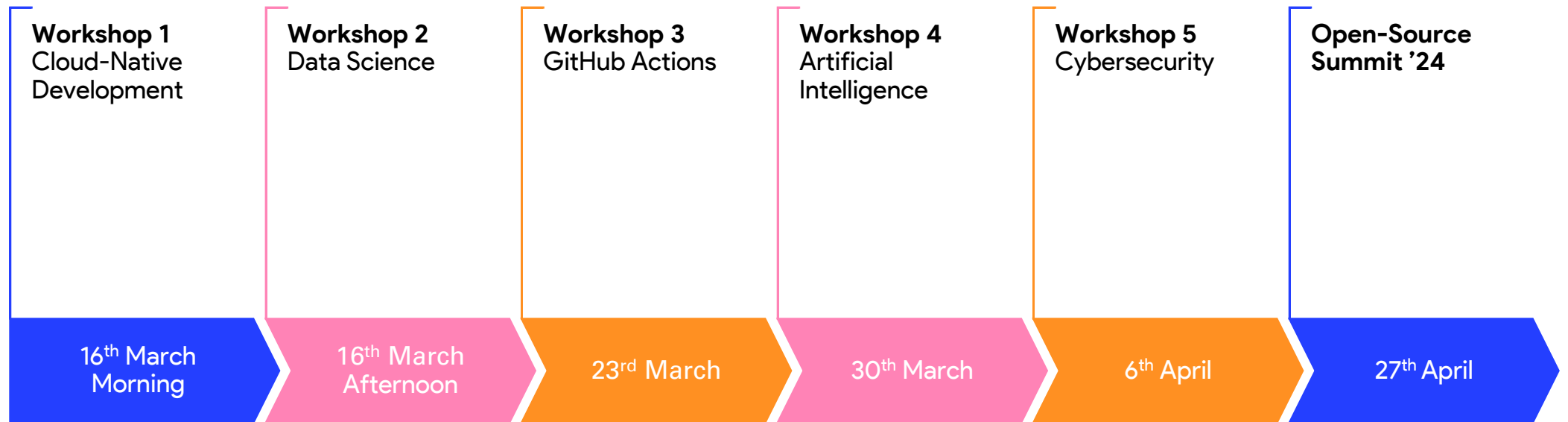
Core Open-Source Tracks:

- Open-Source Governance & Management
- Legal & Ethical Considerations in Open-Source
- DevOps & Continuous Integration/Continuous Delivery (CI/CD)
- Cloud Native Development
- Web & Mobile Development
- Security & Privacy in Open Source

Emerging Technology Tracks:

- Artificial Intelligence & Machine Learning
- Internet of Things (IoT)
- Blockchain & Decentralized Applications (DApps)
- Open Data
- Climate Tech & Sustainability

Timeline



Speakers

Developer Summit - 27th April 2024

OPEN-SOURCE SUMMIT '24

- **One (1) Academic Speaker**
- **Eight (8) Expert Speakers**
- **Two (2) International Communities**
 - Gain insights into the diverse and vibrant international open-source community.
 - Learn how to engage with international talent and projects.
 - Discover opportunities for global collaboration.
- **Diamond Sponsor Speakers**
 - A unique opportunity to learn from the supporting organizations and gain valuable perspectives on the future of open-source collaboration.



Pre-summit Workshops

16th March - 6th April 2024



FOSS Workshops

- **Software Development Best Practices**
Enhance your development skills with version control using Git, GitHub Actions, and workspaces
- **Cloud Native Development**
Dive into containerization, orchestration, and open-source cloud platforms
- **Artificial Intelligence and NLP**
Explore transformers, large language models, and hands-on model training and deployment
- **Data Analysis**
Discover how to combine telco and crowd data to uncover hidden patterns in human behavior, predict trends, and inform strategic decision-making.
- **Cybersecurity**
Learn secure coding principles, vulnerability hunting techniques, and explore open-source security projects

Workshop: Cloud-Native Sri Lanka

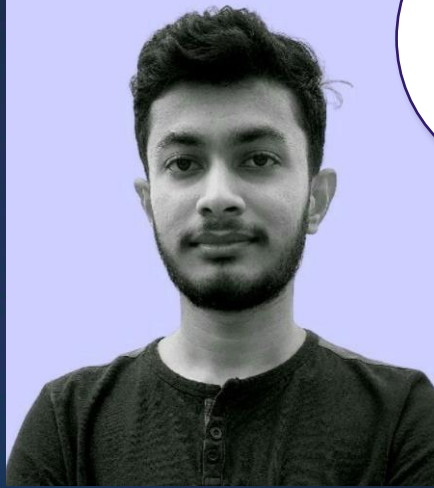
16th March 2024 (Morning)

DevOps 101: Bridging Development and Operations



Mr. Nikila Fernando

Site Reliability Engineer
at Fortude | Gold
Microsoft Learn
Student Ambassador



Mr. Krishan Shamod

DevOps Engineer at
Insighture



Docker for Beginners: Hands on Workshop



Mr. Sachithra Manamperi

Associate Cloud Security
Engineer at GTN



Mr. Pasan Devin

Former Associate Software
Engineer at Tech Venturas

Workshop: Industry Expert

16th March 2024 (Afternoon)

Unlocking Human Behaviour: Insights from Telco Data and Crowd Analytics



Celebrate International Women's Day with a Data Analysis Workshop! This event, organized and led by passionate female undergraduates, empowers women in tech within the university.



Ms. Aloka Abesirigunawardana

Senior Data Scientist at Dialog Axiata PLC

Workshop: GitHub Community Sri Lanka

23rd March 2024



Building Automated Workflows with GitHub Actions



Mr. Suvin Kodituwakku

GitHub Campus Expert - Alumni
Software Engineer at WSO2

Workshop: Academic Speaker

30rd March 2024

Break the Language Barrier: Exploring
Multilingual Natural Language Processing



Mr. Meesha Mervyn

BSc (Hons.) in Computer Science specialised in AI

Workshop: Industry Expert

6rd April 2024

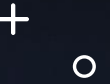
Enhancing Software Security: Integrating
DevSecOps into the SDLC for Robust Protection



Mr. Tharaka Mahabage

Cybersecurity Architect at Virtusa
(Threat and Vulnerability Management)

Contact Us



OPEN-SOURCE SUMMIT '24



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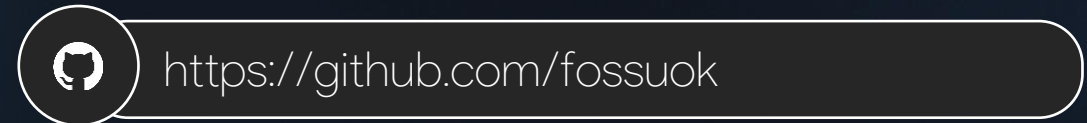
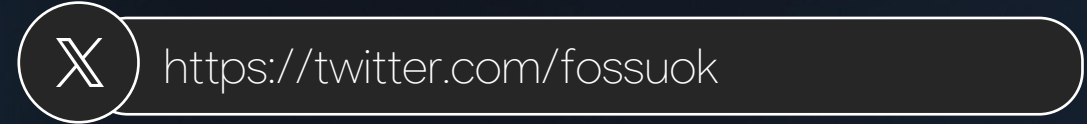
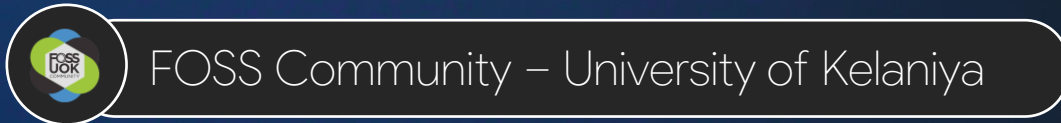
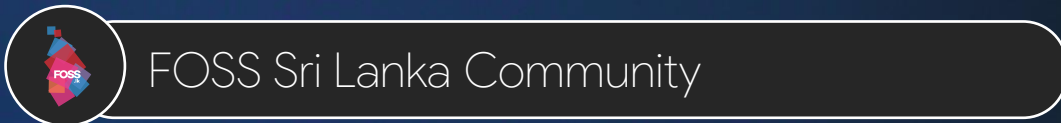
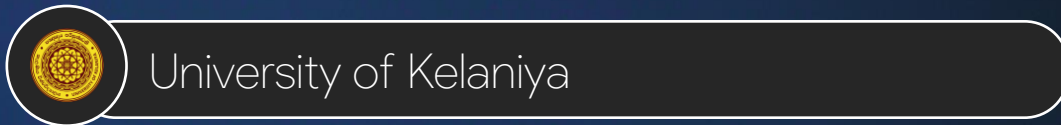
Sponsorship and Finance Lead

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Stay Connected with Free and Open-Source Software Community – University of Kelaniya, Sri Lanka





Conclusion

Open-Source Summit '24 promises to be a valuable and impactful event for University of Kelaniya students, equipping them with the skills and knowledge needed to thrive in the open-source tech landscape. With its diverse program, focus on practical learning, and emphasis on community building, the event will contribute significantly to fostering a vibrant open-source culture within the university and beyond.

We kindly request your support for this exciting initiative.

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Thank You

Free and Open-Source Software Community
University of Kelaniya
Sri Lanka

