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# Cloud-Community-Days

## Learning Resources

### Cloud-Community-Days

all contributors 2

#### Announcement

[Cloud Community Days](#) is a 3-day, online, developer-focused, single track conference on modern cloud technologies focusing on Containers, Kubernetes, Artificial Intelligence & Machine Learning, DevOps, Serverless, and more. This is a free conference and we are welcoming all the interested developers to join us and attend the conference.

- Day-wise themes of the conference are as given below :
  - Day 1 (17th June 2020) : Cloud Native
  - Day 2 (18th June 2020) : AI/ML
  - Day 3 (19th June 2020) : Serverless, DevOps and more

#### Learning Resources

##### Category: AI & ML

Check out some good resources about Kubernetes below:

- [Packt: Principles of Data Science](#) - This comprehensive free e-book from Packt, Principles of Data Science, helps fill in the gaps
- [Azure AI](#)
- [Enhance your apps with AI](#) - This report, A Developer's Guide to Building AI Applications, Second Edition, lets you check out AI's possibilities hands-on.
- [Learning Azure Cognitive Services](#) - Kick off or expand your artificial intelligence (AI) development with this comprehensive guide.

##### Category: DevOps

Download Effective DevOps from O'Reilly free e-book to find out how to build a strong and sustainable DevOps culture within your organization

- [Effective DevOps—Building a DevOps Culture at Scale](#)

##### Category: Kubernetes

Check out some good resources about Kubernetes below:

- [Phippy Goes To The Zoo](#) - Join Phippy on her new adventure as she takes her niece on an educational trip to the Kubernetes Zoo and learns about ingresses, CronJobs, CRDs, and more!
- [Azure Kubernetes Service \(AKS\)](#) - Explore Kubernetes learning path here.
- [Designing Distributed Systems](#) - This free e-book provides repeatable, generic patterns, and reusable components to make developing reliable systems easier and more efficient—so you can free your time

- to focus on core development of your app
- [Cluster operator and developer best practices to build and manage applications on Azure Kubernetes Service \(AKS\)](#)
- [Kubernetes: Up and Running, Second Edition](#) - Get the practical Kubernetes deployment skills you need in this O'Reilly free e-book.

## Category: Serverless

Download the 399-page serverless computing free e-book and get access to dozens of step-by-step recipes for quickly building serverless apps

- [Azure Serverless Computing Cookbook, Second Edition](#)
- [Knative Cookbook](#)

## Speaker Slides

### Day 1 (Cloud Native)

1. [4K Streaming in Cloud with Kubernetes, Knative, Kafka, Kamel](#) by *Kamesh Sampath, Red Hat*
2. [Running Elasticsearch {Stack} on Kubernetes](#) by *Aravind Putrevu, Elastic*
3. [Tour of Dapr: a runtime for microservices development](#) by *Abhishek Gupta, Microsoft*
4. [“Life is what YOU make it!”](#) by *Sandeep Kanabar, NortonLifeLock*
5. [Raspberry Pi Air quality monitor and Azure IoT Central](#) by *Dave Glover, Microsoft* (also [video](#))
6. **“My experiences building CloudSkew (a browser-based, real-time diagram editor on the cloud)”** by *Mithun Shanbhag, Skewed Ventures* (no slides) [CloudSkew website](#) and [Architecture details](#)
7. [The World of Containers with - Podman, Buildah, Skopeo](#) by *Seema Saharan, Mentor and Open Source Contributor*
8. [Together in COVID-19: Health of India](#) by *Aditya Raman, KonfHub*
9. [Containerize Microservices with Service Fabric](#) by *Hamida Rebai, Revenu Quebec*

### Day 2 (AI & ML)

1. [Identifying People Wearing Masks from Image using Cognitive Services](#) by *Ritesh Modi, Hon. Regional Director - Microsoft*
2. [Natural Language Processing using Azure](#) by *Usha Rengaraju, Infinite-Sum Modeling*
3. [End-to-End Machine Learning Model Development Using Microsoft Azure](#) by *Arpita Gupta, Accenture*
4. [Build and deploy PyTorch models with Azure Machine Learning](#) by *Henk Boelman, Microsoft*
5. [Build a sentiment analysis Bot by Integrating A2019 \(RPA platform\) with Microsoft Azure cognitive services](#) by *Arjun S Meda, Automation Anywhere*
6. [How open source contribution helps in AI](#) by *Chinmaye Jain, Witsy limited*
7. [AI/ML solutions to tackle COVID-19](#) by *Vivek Raja, 15x Hackathon Winner*
8. [Understanding ML Through Memes](#) by *Harsh Aryan, Microsoft Student Partner*

## Day 3 (Serverless, DevOps & More)

1. [Accelerating deployment with Azure DevOps](#) by Leena N & Murughan Palaniachari, *Yoga Tree & EY*
2. [Serverless DevOps](#) by *Aaron Powell, Microsoft*
3. [Building, Deploying and Managing Microservices-based Applications with Azure pipeline and AKS](#) by *Manita Jha, TechScalable*
4. [Diving into the world of spell checks!](#) by *Niharika Krishnan, Tata Consultancy Services*
5. [MagicScaling Event Pipelines with Keda & Virtual Kubelet](#) by *Vishal Biyani, InfraCloud Technologies*
6. [Service Mesh and Why You Should Use It](#) by *Nancy Chauhan, Grofers*
7. [Understanding Azure Batch Service](#) by *Niloshima Srivastava, Vichara Technologies*
8. [Stepping into the world of Open Source](#) by *Anisha Swain, Red Hat*
9. [Leading Edge of Modern Web Apps on Azure](#) by *Menaka Basker, Accenture Digital*
10. [Intro to debugging Django and Building insights](#) by *Sayantika Banik, Continual Engine*

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