

DEVELOPERWEEK™

AI/ML HACKATHON

sponsored by: 

LaunchDarkly ➔ GALAXY 24

Handbook

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1. Introduction

Welcome to DeveloperWeek AI/ML 2024 Hackathon sponsored by AWS! We are thrilled to welcome you to an extraordinary adventure in innovation, collaboration, and technology.

This handbook serves as your guide to prepare you for DeveloperWeek AI/ML 2024 Hackathon sponsored by AWS, providing you with invaluable insights, tips, and resources to make the most out of this exhilarating experience.

2. Important Information

- *Event Information*

Dates: May 22, 2024

Location: Pier 27, 27 Embarcadero, San Francisco, CA 94111

Hacking Hours: 9:30 AM - 3:30 PM

Projects Deadline: 3:30 PM PT

Round 1 Judging: 3:30 PM - 4:15 PM

Top 5 Notified: 4:15 PM

Top 5 Demo + Q&A : 4:30 PM - 5:00 PM (Team must be present)

Winners Announced: 5:15 PM PT

- *Venue*

Pier 27

27 The Embarcadero San Francisco

Join us for networking and learning at one of San Francisco's premier event venues.

- *Transportation*

Parking is limited at Pier 27 and surrounding areas. Public transportation is encouraged. Options include:

- BART
- Muni
- Ride-share Service

- *Timeline*

May 22, 2024

- 8:30 AM** – Doors Open
- 9:00 AM** – Hackathon Kick Off Talks & Mini Workshops from LaunchDarkly & AWS
- 9:30 AM** – Hacking Begins
- 3:30 PM** – Final Project Submissions Due on DevPost
- 3:30 PM** – 1st Round Judging
- 4:15 PM** – Top 5 Teams Notified (Teams must be onsite!)
- 4:30 PM** – Top 5 Team Demo + Live Q&A (3 minute video demo & 2 minutes Q&A from Judges)
- 5:00 PM** – Final Judging
- 5:15 PM** – Winners Announced

For more details, <https://aidevsummit.co/hackathon/>

- *Contact*

[DevPost](#)

3. Challenges & Prizes

AWS/LaunchDarkly Hackathon Challenge - Generative AI + Feature Flags

- *Use Amazon Bedrock generative AI*

Your task is to develop an application that taps into Amazon Bedrock generative AI capabilities and LaunchDarkly feature flags to enhance the user experience. Utilize any of the foundational models provided by Bedrock to infuse your application with intelligent and creative capabilities. Whether you're generating text, images, music, or even code, let your imagination run wild.

- *Integrate LaunchDarkly feature flags into your application to:*
 - a. Enable dynamic, real-time modification of experimental generative AI features on the fly. .
 - b. Seamless A/B testing or experimentation.
 - c. Managing targeted entitlements within your application.
 - d. Or whatever other creative feature flag uses you can think of!

Your application can serve any purpose or solve any problem, **but to qualify for prizes, it must leverage both Amazon Bedrock generative AI and LaunchDarkly feature flags.** We're looking for creativity, innovation, and technical prowess in your implementation of Bedrock and LaunchDarkly within your application.

We can't wait to see what groundbreaking applications you'll create using Amazon Bedrock and LaunchDarkly's power.

AWS/LaunchDarkly Hackathon Challenge - Generative AI + Feature Flags

- *1st Place Overall Prize:*

\$5,000 USD Cash Prize + Amazon Echos(Up to 5) + DevNetwork Premium All-Access Passes to all 2024 virtual conferences + Announcement in DeveloperWeek email to 60,000 subscribers listing your team and project. Plus, 5,000\$ worth of essential developer tools (GitHub, etc) and complimentary CodeCrafters memberships.
- *2nd Place Overall - \$3000 cash USD*
- *3rd Place Overall - \$2000 cash USD*

Best All-Student Team

- *1st Place - Github Prize Pack - \$200 Value*

AWS/LaunchDarkly Hackathon Challenge - Generative AI + Feature Flags.
Team of all students - High school, college or university, or bootcamp
(need proof of enrollment or student email)

Challenge: Convex + AI = ♥

- *1st Place - \$2,500 USD*

Yes, even AI applications need backend data, and Convex fits this requirement perfectly. As you build your Bedrock application, there are a number of ways you can integrate Convex to enhance your user experience. This challenge prize will be awarded to the team that creates the most compelling combination of Bedrock's AI with Convex's backend-as-a-service.

Challenge: Build Your Backend with Convex

- *1st Place - \$2,500 USD*

Every application needs data, even when integrating AI, and Convex offers a powerful backend-as-a-service for builders. Integrating Convex is easy via their client libraries for Python, Rust, React and JavaScript. Hackathon participants who integrate Convex as their backend infrastructure within their application qualify for an additional prize.

Resources

- *Amazon Bedrock*
 - [Amazon Bedrock Developer Experience](#)
 - [Introduction to Amazon Bedrock](#)
 - [Getting started workshop](#)
 - [Amazon Bedrock Resources](#)
 - [Prompt engineering guidelines](#)
 - [Knowledge bases for Amazon Bedrock](#)
 - [Agents for Amazon Bedrock](#)
 - [Sample codes](#)
 - [QuickStart PoC](#)
- *LaunchDarkly*
 - [Getting started documentation](#)
 - [Getting started with experimentation](#)
 - [Using LaunchDarkly for entitlements](#)

4. Before the Hackathon

- *Team Formation*

- a. Determine whether you would like to work solo or as a team (1 to 5 per team)
- b. If you are interested in forming a team, join DevPost to connect with other attendees prior to arriving or meet people onsite during the hackathon and form teams then.
- c. When your project is submitted on Devpost your team will have a chance to decide on a name

- *Preparation*

- a. Thoroughly read the rules to be well-versed in the event's hackathon rules, submission rules, demos, and judging criteria.
- b. Brush up on any relevant technologies and tools you believe may come in handy during the hackathon.

- *Setup*

- a. Check your hardware and software requirements: Make sure to bring your laptop, along with chargers, adapters and any additional hardware. Install development tools and software you might need in advance.

5. What to Bring

- *Technical Equipment*

- a. Laptop + chargers
- b. Hardware setup (Raspberry Pis, Arduino sets, etc.)
- c. Any other electronics you may need (i.e. mouse, keyboard, or even your whole PC setup)

- *Personal Items*

- a. Form of identification (i.e. school ID)
- b. Reusable water bottle
- c. Entertainment options
- d. Headphones/earbuds

6. Hackathon Rules

Official Hackathon Rules can be found [here](#).

- *Devpost Submissions Rules*

- a. Your code must be available publicly (ideally in a git repository).
- b. Your code must remain public post-event to be eligible for prizes.
If your repo and video are not public, new winners may be selected.
- c. You must have completed all registration steps for the hackathon.
- d. You are allowed to submit your project to other hackathons (taking place over the same period) as long as the other hackathon also allows this.
- e. You can not submit projects that include work prior to the hackathon.

7. Judging Criteria

Teams will be judged on these criteria. Judges will weigh the criteria equally. During judging, participants should try to describe what they did for each criterion in their project.

- *Creativity and Innovation*

Does the application do something unique and innovative and/or utilize Amazon Bedrock and LaunchDarkly feature flags in a creative way?

- *Level of Completion*

How well-developed and polished is your application? Have you fully integrated Bedrock and LaunchDarkly features?

- *Use of Bedrock and LaunchDarkly*

How effectively have you utilized the capabilities of Amazon Bedrock generative AI and LaunchDarkly feature flags to enhance your application? Are you showcasing the full potential of these technologies?

8. Prizes

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9. Code of Conduct

Learn more about the code of conduct [here](#).

Remember!

The competition is just a part of the hackathon. To make the most out of the event, try something new, teach other people, and make new friends!

Happy Hacking from the DeveloperWeek AI/ML 2024 Hackathon sponsored by AWS team!