

Rishiraj Acharya

Machine Learning Engineer for Production (MLOps)

heyrishiraj@gmail.com +91 9800434383

GitHub: rishiraj LinkedIn: rishirajacharya

28/11 Dayananda Road, Durgapur-713204,
West Bengal, India

Education

Netaji Subhash Engineering College, Kolkata
Bachelor of Technology (Honours) | Grad. June 2022
Major: Computer Science & Engineering | SGPA: 9.75

So you've trained an accurate neural network model in a Jupyter notebook. You should celebrate!

But . . . now what? Hire me to build and launch machine learning models into production.

Experience

Dynopii Pvt. Ltd. (Part-time)

Machine Learning Engineer | April 2021 - Present

Working on ML pipelines for speech / audio generation, conversion and deployment.

- 35% increase in conversation
- 20% increase in rebound-sales
- 50% cost reduction in training
- 10% TAT reduction for new campaigns
- 5% increase in new market entry

Lannet Technologies Pvt. Ltd. (Internship)

Machine Learning Engineer | July 2020 - September 2020

Worked on building and deploying ML models applying GANs for Image processing.

TeamCognito Tech LLP. (Internship)

Machine Learning Engineer | April 2020 - June 2020

Worked on building and deploying ML models, Cloud DB integration and Code security.

Certifications

Deep Learning Specialization
TensorFlow Developer Professional Certificate
TensorFlow: Advanced Techniques Specialization
ML Engineering for Production (MLOps) Spec.
Practical Data Science (PDS) Spec. by AWS

Skills

Machine Learning, Deep Learning
Google Cloud Platform, AWS Amazon SageMaker
TensorFlow, PyTorch, Keras, Scikit-Learn
TensorFlow.js, TF Lite, TF Extended (TFX)
Python, Java, C/C++, ML Pipelines and MLOps

Projects

Alexa-like Trigger Word Detection: Constructed a speech dataset and implemented an algorithm for trigger word detection that allows devices like Amazon Alexa, Google Home to wake up upon hearing a certain word by applying deep learning to speech recognition.

Virtual Drum Kit: Using an Arduino, IMU sensor and TensorFlow Lite I trained a tiny quantized machine learning model to recognize a range of drumming motions that map to an invisible drum kit by reducing model size while also improving CPU and hardware accelerator latency.

Reformer Conversational Agent: Developed a chatbot using the state-of-the-art Reformer, a.k.a. the Efficient Transformer, to generate dialogues by feeding questions to the model. Not only did it learn to answer questions but also knew how to ask questions for more info.

Accomplishments

Stanford University
Volunteer Teacher

Google DSC NSEC
ML Team Lead

DeepLearning.AI
Events Ambassador

Microsoft Learn
Student Ambassador