

Rishiraj Acharya

Machine Learning Engineer for Production (MLOps)

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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: 9.76

Achievements

- **Kaggle Competition Master & 3x Expert**
- Gold Medalist (Rank 10 / 1555 teams) in RSNA MICCAI Brain Tumor competition

Experience

Dynopii Inc. (Full-time)

Machine Learning Engineer | April 2021 - Present | Annual Salary: INR 12,00,000
Working on ML pipelines for conversational AI, 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

Celebal Technologies Pvt. Ltd. (Full-time)

Data Scientist | September 2021 - December 2021 | Annual Salary: INR 8,00,000
Working on Classical ML, NLP, Statistical Algorithm, Computer Vision, Deep Learning, Python and SQL.

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

Natural Language Image Search: Trained a vision and a text encoder jointly to project representation of images and their captions into same embedding space, such that caption embeddings are located near embeddings of images they describe for retrieving images that match natural language queries.

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 for speech recognition.

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.

Position of Responsibility

Stanford University
Volunteer Teacher

Google DSC NSEC
ML Team Lead

DeepLearning.AI
Events Ambassador

Microsoft Learn
Student Ambassador