FAYAZ **RAHMAN**

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I am a Machine Learning Engineer at Activeloop and an Integrated Masters (CS) student at the Cochin University of Science and Technology looking forward to working on projects related to artificial intelligence. Actively working to learn more about deep learning workflows and contributing to tools that make them easier and more efficient.

WORK EXPERIENCE

2022 – PRESENT

JUNIOR MACHINE LEARNING ENGINEER, ACTIVELOOP, Mountain View

Activeloop is a YC backed company that develops a version controlled dataset format for AI called Deep Lake. I added countless features to the product's core and developed it on a variety of fronts including cloud storage, API, version control, user experience and more. See my work at Deep Lake.

RESEARCH EXPERIENCE

2022 – PRESENT

RESEARCH INTERN, Norwegian University of Science and Technology, Norway

I was a paid visiting student at the top-ranked university, NTNU in Gjøvik, for a period of two months as part of the INTPART INID Project. There I had the opportunity to work with experienced professionals on object detection projects. I have authored two research papers in collaboration with them:

- "Tracking-by-Self Detection: A self-supervised framework for multiple animal tracking":
    - AIAI 2023 Conference
- "Self-Supervised animal detection in constrained environment"
    - BMVC 2023 VUA Workshop

EDUCATION

2022 – PRESENT

INTEGRATED MSC IN COMPUTER SCIENCE WITH SPECIALIZATION IN ARTIFICIAL INTELLIGENCE AND DATA SCIENCE, COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY.

Coursework includes a variety of subjects including Computational Thinking, Linear Algebra, Calculus, Data Structures and Algorithms, Artificial Intelligence and Machine Learning.

2012 - 2021

GRADE IV - XII, MES INTERNATIONAL SCHOOL, PATTAMBI

AISSCE 96.4%

OPEN SOURCE CONTRIBUTIONS

- **Deep Lake:** I made consistent open source contributions to the Deep Lake repository. I was hired by them shortly after.
- **LoopGPT:** I am a co-author of LoopGPT, a modular and Pythonic reimplementation of the popular Auto-GPT. It has received more than 1K stars on GitHub and counting.

SKILLS

- Python programming – 3 years
- C / C++ programming – 1 year

ACTIVITIES

- Deep learning - I am passionate about deep learning. I took Andrew Ng's courses on Coursera to teach myself deep learning concepts and built CNNs from scratch for practice.
- Google India Code to Learn 2019 – I was among the only 15 finalists in the nationwide coding contest held by Google.
- Google India Code to Learn 2018 – I was a finalist in 2018 as well.

AREAS OF INTEREST

- Computer Vision
- Self-Supervised Learning
- NLP
- Neural Networks

LANGUAGES KNOWN

- English – Proficient
- Malayalam – Proficient

PERSONAL INFORMATION

- Date Of Birth – 03/03/2004
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