

## Contact

akashkundu2xx4@gmail.com

www.linkedin.com/in/akash-kundu-a334b1250 (LinkedIn)

## Top Skills

NumPy

Supervised Learning

Artificial Intelligence (AI)

## Languages

English (Professional Working)

Hindi (Limited Working)

Bengali (Native or Bilingual)

## Certifications

Supervised Machine Learning:  
Regression and Classification

Münich, Germany Chapter -  
Deepfakes Detection in Germany  
through Images

AI Safety Fundamentals - Alignment  
Course

## Honors-Awards

Finalist at Kharagpur Data Science  
Hackathon 2022-23

Winner of HackSquad 2022

Finalist at NebulaNet Hackathon at  
IIT BHU

First Runners Up at Climate Connect  
Hackathon

Rank 1 @MLtiVerse

# Akash Kundu

Research Intern @Lionheart Ventures || Research Fellow @Apart  
Research

Kolkata, West Bengal, India

## Summary

I am a pre-final year computer science and engineering undergraduate. I love looking at data and generate novel insights out of it. My interests lie in the field of Machine Learning and Data Science. I believe that data, if utilized properly could impact the world in unimaginable ways.

I have worked on projects ranging from multilingual scene text detection, deepfake detection, roommate compatibility, recommendation channels for pharmaceutical industry, mental health chatbot, Fifa footballer market value prediction, and a lot more.

I have won multiple hackathons related to Machine Learning and I learn something new every time when I solve a problem. It fascinates me how there is no fixed method to solve every data science and ML problem and I have to be creative and innovate solutions. Learning about the state-of-the-art models and keeping myself updated about the new advancements in AI is something I love to do.

---

## Experience

Lionheart Ventures

Research Intern

June 2024 - Present (4 months)

San Francisco Bay Area

Apart Research

Research Fellow

January 2024 - Present (9 months)

San Francisco, California, United States

Researching on cross-lingual capabilities of Safety Evaluation Benchmarks.

Google Developer Students' Club HIT

AI/ML Lead

August 2023 - July 2024 (1 year)

Kolkata, West Bengal, India

- Hosted beginner-friendly intro to ML sessions for 150+ attendees.
- Wrote an ML Roadmap ([https://github.com/Akash190104/ML\\_Roadmap](https://github.com/Akash190104/ML_Roadmap))
- Organized MLX, the first ML Hackathon at Heritage Institute of Technology that received 300+ participants from 23 states of India. Wrote Getting Started notebooks for absolute beginners to encourage them to participate.

## Cambridge AI Safety Hub

Student

April 2024 - April 2024 (1 month)

Cambridge, England, United Kingdom

Got accepted to CaMLAB v4 (Cambridge Machine Learning Accelerator Bootcamp), a 14-day intensive BootCamp aiming to build up the foundational knowledge of accepted participants to conduct AI Safety Research. (<https://www.cambridgeaisafety.org/camlab>)

## Supervised Program for Alignment Research

Mentee

February 2024 - April 2024 (3 months)

Berkeley, California, United States

## Omdena

Machine Learning Engineer

March 2023 - September 2023 (7 months)

Munich, Bavaria, Germany

Deepfake Image Detection (Omdena Munich Chapter)

- Volunteered for a 7 week long project aimed at developing a deep learning model that can detect Deepfake facial images with high accuracy.
- Played an active role in data collection by actively researching and sourcing relevant resources.
- Helped in the data preprocessing task by augmenting the dataset using Keras and Albumentations Library.
- Performed feature extraction and trained MogaNetXTiny deep learning model through transfer learning, achieving comparable classification performance.
- Led the Model Validation and Testing Task.
- Helped in deploying the project through Streamlit.

Mental Health Chatbot (Omdena Tanzania Chapter)

- Worked on developing a mental health chatbot (that could speak English and swahili) for the people in Tanzania by fine-tuning vicuna-13B.

#### Roommate Compatibility Detection (Omdena Egypt Chapter)

- Worked on developing a roommate compatibility detection model which matches roommates with compatible preferences.

#### Lung Cancer Cost Estimation X Iryss

- Worked for Iryss to develop an ML model to estimate the out of pocket lung cancer costs of stage 3 and stage 4 lung cancer patients in USA.

#### Hacktoberfest

##### Contributor

October 2022 - October 2022 (1 month)

50+ PRs of mine got accepted for Hacktoberfest 2022. Did 200+ contributions in October 2022.

---

## Education

#### AI Safety Fundamentals

Alignment · (February 2024 - April 2024)

#### Heritage Institute of Technology

Bachelor of Technology - BTech, Computer Science and Engineering · (2022 - 2026)

#### Patha Bhavan, Kolkata

· (2020 - 2022)

#### A. K. Ghosh Memorial School - India

· (2012 - 2020)