

# DIKSHA CHAKRAVARTY

AI & ML ENGINEER



dc.dikshachakravarty@gmail.com



<https://www.linkedin.com/in/diksha-chakravarty-826160206/>



<https://github.com/diksha-ashkid>



+91 9900474009



Bangalore, India

## PROFILE

As an engineer I believe in contributing smart solutions to the industry. My primary objectives are to develop intelligent systems which can help humanity and society benefit from their speed and efficiency.

## TECH SKILLS

- Prompt Engineering for LLMs
- Generative AI Solutions (GPT, Claude, Stable Diffusion, GANs, Langchain)
- AWS and GCP cloud services(Bedrock, Sagemaker, Amazon Titan)
- MLOps and DevOps (AWS & GCP)
- Deep Learning (Tensorflow, Keras)
- Artificial Intelligence and Machine Learning
- Computer Vision (Pytorch)
- Cognitive Learning (NLP)
- Data Analytics and Visualization (PowerBI , Tableau)
- Database Management
- Front-end Development
- Python (Django)

## SOFT SKILLS

- Problem-Solving
- Critical Thinking
- Public Speaking
- Team Management
- Conflict Resolution
- Communication
- Professional presentation
- Hackathon management

## EDUCATION

### Bachelor of Technology in Computer Science and Engineering specializing in Artificial Intelligence and Machine Learning

Jain (Deemed-to-be) University, Bangalore

2020-2024

SGPA: 9.82/10

### Sri Chaitanya Techno School, Bangalore

11 th-12th - CBSE

2020

Physics, Chemistry, Math, Biology

Percentage: 86.4%

### BGS Public School, Bangalore

10th - CBSE

2018

Percentage: 95.3%

## EXPERIENCE

### Machine Learning Engineer

Ankercloud Technologies

January 2024-Current

Worked on prompt engineering and LLM fine tuning and pretraining. Handled projects on Google Cloud Platform as well as Amazon(Sagemaker).

### Artificial Intelligence and Machine Learning Intern

Peak Health Technologies Pvt Ltd

August 2023-Nov 2023

Working on prompt tuning and LLM's for product diversification. LLM fine-tuning as well as full stack development using React, Django and MongoDB.

### Data Science Intern

Wise Analytica, London

August 2023-September 2023

Worked with real time customer data, Draw insights and building NLP models for customer data analysis and predictions over social media profiles.

### Machine Learning and NLP Intern

Analyser Studios

April 2023-July 2023

Designing, building and configuring various ML models to meet client models and time to time upgradation of target product.

## AWARDS & ACHIEVEMENTS

- Winner of AWS GenAI Hackathon 2024.
- Winner of [-1] The Ultimate GenAI Challenge October 2023 by Minus Zrero
- Google-Solving for India Regional level qualifiers and college level winners.
- Winner at Tech Tonic Hackathon organized by Futureense Tech, May 2023
- 1st Runner Up at Quest Global Ingenium 2023 a National Level Hackathon among 1800+ teams.
- Winner of Student Academic Success Prediction Hackathon by MachineHack November 2022
- Winner at CentuRITon National Level Hackathon November 2022
- 3AI Pinnacle Award 2022 in the "AI & Analytics Student of the Year" category 2022
- Best paper award at Jnana Chilume National Conference, 2020
- Finalists at Unlock 2022 Hack Series October 2022

## CERTIFICATIONS

- Google certified Associate Machine Learning Engineer
- Starting with Deep Learning, NVIDIA
- Introduction to Generative AI-Google Cloud and Coursera
- Google Cloud Career Practitioner Certification, Google
- Java 8 Essentials Training, LinkedIn
- 4.0 Tech 1010 Certificate, iB Hubs

### Data Analytics Virtual Internship

KPMG, AU

Jan 2023-Feb 2022

Analysis, drawing insights and visualization of real-time customer datasets. Drawing solutions for better development using current data

### Data Science and Business Analytics Intern

The Sparks Foundation

April 2022- May 2022

Implementing Business Analytics using Data Science and Machine learning models with various case studies

## PROJECTS

### LensFleur

[https://github.com/diksha-ashkid/Centuriton-Hackathon\\_Flora.AI](https://github.com/diksha-ashkid/Centuriton-Hackathon_Flora.AI)

A multilingual platform for all farmers and botanical enthusiasts. Detection of diseases in plants using OpenCV and Deep Learning.

### SpyTrash

<https://github.com/diksha-ashkid/DC-KASH-REVAHACK>

Classification and Management of waste to help municipalities and the community using Computer Vision and CNNs

### HealthSync

<https://github.com/diksha-ashkid/HealthSync>

A digital health tracker application that uses a backend recommender system using ML and a OCR detection to make the process of doctor appointments and clinic visiting easier.

### Synthetic Data Generator Using Gen AI

<https://github.com/diksha-ashkid/Hacktonauts-Synthetic-AI-Generated-Dataset-Algorithm>

A sophisticated algorithm capable of generating photorealistic images that represent the intricacies of urban driving scenes in India, using the stable diffuser model and prompt engineering

### Custom Image generator using Stable Diffusion

Developing a customised stable diffusion model using the LoRA training technique to create particular products that are derived from current client or use case. Deploying it on AWS services and GCP. Through Sagemaker, Bedrock and latter with VertexAI. MLOps pipeline also delivered.

## TECHNICAL PAPERS

### Decentralization and Virtualization of Clinical trials

Identification of human diseases using ensemble learning techniques and OpenCV.

### Sociological Transformations of Robotics

Sociological and societal impact of robotics throughout the decades.

### Monitoring and Propagation Alert Information in the Cloud

Paper on alerts in the case of natural disasters near cloud storage servers