

Aditya Anand

Chandigarh, Mohali, Punjab • adianand2002@gmail.com • (+91) 8728009774 • [linkedin.com/in/adianand912](https://www.linkedin.com/in/adianand912)

WORK EXPERIENCE

SAMSUNG RESEARCH & DEVELOPMENT

Bangalore, India (Remote)

Research Intern

Feb 2023-Sept 2023

Developed an Open Log Forwarder solution as an open interface to record any NE logs in kubernetes and transfer the log to any registered entity through open source softwares like fluentd, fluenbit.

- Achieved one-click transfer to diverse destinations, including Splunk, Elasticsearch, Datadog, and Prometheus.
- Conducted a performance comparison between fluentd and fluenbit, analyzing factors like delay, CPU usage, and memory efficiency with a minimum of 100 pods.
- Built a Grafana dashboard to visualize log transfer rate, count, CPU usage, and memory usage.
- Optimized the performance by using multiple plugins built natively for fluentbit to collect logs and metrics.
- Automated the entire process using Python and high-level APIs, providing a no-code solution for various tasks.

WAYS AHEAD GLOBAL PRIVATE LTD

Delhi, India (Remote)

Aiml & Flutter Intern

May 2023-Aug 2023

Developed cross platform mobile applications using flutter that solved business problems and modified existing applications by adding new features.

- Integrated machine learning features (e.g., speech-to-text) via API integration.
- Implemented a recommendation system that boosted sales by 20%.
- Upgraded database functionality by transitioning from SQLite to a NoSQL database, specifically Supabase.

ACHIEVEMENTS

RESEARCH PAPER (IJNRD PUBLISHED)

- Title: "Multispectral Image dehazing".
- Introduced a CNN-based algorithm for haze removal and multispectral image enhancement.

HACKTOBERFEST OPEN SOURCE

- Completed the competition by successfully merging four pull requests to various open source projects.

KGEC SUMMER OF CODE

- Completed by competition by contributing to open source projects among top 3 contributors.

PROJECTS

COMPLETE MLOPS PIPELINE: DEPLOYING A CNN MODEL

[VIEW IN GITHUB](#)

- Developed an end-to-end MLOps pipeline covering dataset loading, dataloader creation, model development, training, and local server deployment.
- Technologies Used: Zenml, Mlflow, Dagshub, Pytorch, Python.

YOUTUBE ASSISTANT USING LANGCHAIN

[VIEW IN GITHUB](#)

- Created a YouTube assistant utilizing Langchain and OpenAI APIs for enhanced functionality.
- Technologies Used: Langchain, Streamlit, Python.

OBJECT DETECTION CAMERA APP

[VIEW IN GITHUB](#)

- Developed an intelligent Flutter application with autozoom functionality for capturing images at the optimal size.
- Technologies Used: Flutter, Google ML Kit.

EDUCATION

CHANDIGARH UNIVERSITY

Chandigarh, Punjab

Bachelor of Engineering in Computer Science with specialization in AIML (Hons.)

2021-Present

- Expected Graduation: 2025
- CGPA: 7.9

TECHNICAL SKILLS

- Programming: Python, C, C++, Java
- Frameworks/Tools: Docker, Kubernetes, MLOps, Pytorch, Tensorflow, Mlflow, Zenml, DVC, Chromadb, Redis, AWS, Git, DevOps, Splunk, SQL, Elasticsearch, Linux, Grafana, Huggingface