

# Arnav Fernandes

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MLOps dev in training, looking for opportunities to learn

## Experience

### HyperVerge, Research Fellowship | Remote

Jan 2024 - Present

- Developed and deployed **Transformers** models for verification, integrating **Time series models** to solve real-world problems.
- Applied mathematical algorithms to the data, improving model performance by **23%**

### Next Tech Lab, Member | Chennai

Jan 2023 - Present

- A student led. internationally recognized research lab, honored with the prestigious QS Award.
- Participated in OpenHack 2024.
- Guided my juniors in the field of ML.

## Education

8.9/10 **BTech in Artificial Intelligence**, SRM Institute of Science and Technology | Chennai, India

2022-26

**Courses:** Advanced Learning Algorithms | PyTorch | Fundamentals of Deep Learning

## Skills

<b>Languages</b>	Python, C, C++, Rust, Go
<b>Frameworks</b>	PyTorch, Tensorflow, Selenium
<b>Libraries</b>	OpenCV, Pandas, Polars, Scikit-Learn, Matplotlib
<b>Software</b>	Git, Bash, Docker, Gradio, Kubernetes, Ansible, Terraform, Jenkins, LangChain

## Projects

### EDA on accidents dataset

Exploratory Data Analysis on accidents in the US between 2016-23

[github.com/ajdjyt/exploratory-da](https://github.com/ajdjyt/exploratory-da)

- Found big conclusions pertaining to the dataset, which led to a **35%** accuracy increase.
- Used folium to generate **Heatmaps** of the dataset based on location data.
- Created **Graphs** which showcase the how skewed the data is, using **matplotlib**.

## Certificates

- 2024 **OpenHack participation award**, IISC Bengaluru
- 2023 **Advanced Learning Algorithms**, Stanford, Coursera
- 2023 **Supervised Machine Learning**, Stanford, Coursera
- 2022 **Fundamentals of Deep Learning**, Nvidia