

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

Languages	Python, C, C++, Rust, Go
Frameworks	PyTorch, Tensorflow, Selenium
Libraries	OpenCV, Pandas, Polars, Scikit-Learn, Matplotlib
Software	Git, Bash, Docker, Gradio, Kubernetes, Ansible, Terraform, Jenkins, LangChain
Certifications	Advanced Learning Algorithms - Stanford, Fundamentals of Deep Learning - Nvidia, Supervised Machine Learning - Stanford)

Projects

EDA on accidents dataset

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

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