

Mayank Deshpande

Curriculum Vitae

Experience

- 2022 – Aug - **SDE**, AIRBUS GROUP.
Present SKYWISE Health Monitoring: Enhanced backend performance by introducing various newer tech stacks, automation scripts, and faster algorithmic design. Improved existing Jenkins pipelines and made more for newer solutions connected to GitHub and various AWS resources.
- 2021 – Aug - **Research Collaborator**, NVIDIA CORPORATION, MINISTRY OF DEFENCE, MAHINDRA
2022 - July UNIVERSITY.
Working with Nvidia India-Singapore on a project funded by Ministry of Defence, India. Project hosted [here](#)
Detailed achievements:
o Was the first author on the paper (published by IEEE Singapore) on the Investigations on convergence behaviour of Physics Informed Neural Networks across spectral ranges and derivative orders which now has multiple citations.
- 2022 – Mar - **Developer Intern**, TELSTRA INTERNATIONAL.
July Developing features for billing systems in node.js 14 LTS and JDK 8.xx. Learning how software architectures and philosophies are executed practically.
- 2020 – Mar - **Data Science Intern**, COVINDIA.
Jun Investigated patterns of COVID-19 infection rates from various sources of data such as weather, lockdowns, Literacy and employment rates using python libraries, google data studio, Dataiku and Cart. Analyzed and published the **trends** on the website.
- 2020-Jul-Jul **Teaching Assistant**, DATAWHIZ.
Teaching assistant of Dr. Achal Agarwal for the Data Science Bootcamp provided by DataWhiz.org. Taught tools like Google Data Studio, Microsoft Power BI, and Dataiku. Ran Baseline models to demonstrate effective data filtering and pre-processing for optimal results.

Education

- 2018–2022 **B-Tech**, Mahindra Ecole Centrale, Hyderabad, GPA – 9.1.
Computer Science Engineering
- 2016–2018 **Intermediate - Chaitanya Jr College**, Grade(%) – 95%.
MPC

Awards:

- 2020 **Top 10 in Garage48 Hackathon**

Languages, libraries and frameworks:

- Used regularly Python, React, Nodejs, Devops: Jenkins, AWS (EC2 + microservices), Linux with various distributions, LLMs: ollama with llama and other LLMs, Finetuning LLMs and solutions based on them, offline implementations without ollama, HPC: Infra segmentation for different distributions on shared hardware using virt-manager, qemu, Proxmox VE, etc
- Used often C, C++, Rust, GO, Java, AWS Neptune, Nvidia Modulus, Rapids(libraries: cuDF, cuPY, cuML, Dask), Deepstream 5.0, Nvidia DGX, linux shell, Python libraries: pandas, numpy, OpenCV, nltk, Apache Spark, Pytorch, Darknet: yolov3-5, Tensorflow with keras, sklearn

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📄 github.com/neo-fetch