

Mayank Deshpande | Résumé

Bangalore – Karnataka

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Experience

AIRBUS Group

SDE

2022 – Aug - 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.

NVIDIA Corporation, Ministry of Defence, Mahindra University

Research Collaborator

2021 – Aug - 2023 - Jan

Working with Nvidia India-Singapore on a project funded by Ministry of Defence, India. Project hosted [here](#) Detailed achievements:

- Was the first author on the paper (published by IEEE Singapore):
- [Investigations on convergence behaviour of PINNs across spectral ranges and derivative orders \(citations\)](#).

Telstra International

Developer Intern

2022 – Mar - July

Developing features for billing systems in node.js 14 LTS and JDK 8.xx. Learning how software architectures and philosophies are executed practically.

Datawhiz

Teaching Assistant

2020-July-July

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

Mahindra Ecole Centrale

Hyderabad

B-Tech, GPA – 9.1

2018–2022

Computer Science Engineering

Chaitanya Jr College

Hyderabad

Intermediate, Grade(%) – 95%

2016–2018

MPC

Jubilee Hills Public School

Hyderabad

School, Grade(%) – 98%

2016–2018

CBSE

Awards:

2020: Top 10 in Garage48 Hackathon

Technical Skills

Languages, libraries and frameworks: 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, C, C++, Rust, GO, Java, AWS Neptune, Nvidia Modulus, Nvidia DGX, Apache Spark, Pytorch, Tensorflow with keras, sklearn