

Ajeya Krishna

Machine Learning Engineer

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EDUCATION

Indian Institute of Technology (IITBHU) ✉
Integrated Dual Degree (B.Tech + M.Tech)
Engineering Physics (Hons), **8.75**

08/2017 – 05/2022 | Varanasi, India

PROFESSIONAL EXPERIENCE

SaaS Labs ✉

Machine Learning Engineer

06/2022 – present | Noida, India

Part of a 4 member AI/ML team that developed the B2B sales product JustCall IQ

- Empowered clients to quickly and easily find information with the **key phrase extraction** tool and provided more accurate and detailed feedback on customer interactions with the **AI call-scoring** model.
- Created an **auto-tag** model that classifies emails based on content analysis. Designed a **priority** model that assigns tags to emails according to their level of importance for efficient management.
- Developed a **tone analysis** system using NLP to classify input text by tone. Designed a **text rephrasing** tool that modifies input text based on low tone scores for more positive and engaging communication.

Machine Learning Intern

01/2022 – 06/2022

IIT BHU, Deep Learning Intern

05/2022 – 12/2022 | Varanasi, India

- Employed **Transfer Learning Technique** to extract features from 10,000+ COVID-19 images. Adapted eight different classification models, such as XGBoost, ANN, Random Forest, and achieved **95%** accuracy.
- Built a model based on **U-Net** architecture with attention from scratch for COVID-19 area segmentation, achieving an impressive average Dice Coefficient of **0.84** across 2000 mask images.

Datalogy, Data Science Intern

05/2021 – 07/2021 | Gurgaon, India

- Performed an in-depth exploratory data analysis using the **NumPy**, **Pandas**, and **Seaborn** packages.
- Deployed several ML models like **Linear regression** and **CART** to predict the product's sustainability. The company has experienced a **25%** increase in customers using the insights.

PROJECTS

Unpaired Image to Image Translation with Pix2Pix Generative Adversarial Networks ✉

- The Pix2Pix was used to transform unprocessed satellite pictures into visuals that resemble Google Maps.

Predicting the age group of Trello users

- Developed a deep learning classification model, achieving **84%** accuracy

SKILLS

Python

Numpy, Pandas, FastAPI, Flask, VM, Seaborn, sklearn

NLP

Transformers, PyTorch, TensorFlow, LLM, Prompt Engg

ACHIEVEMENTS

- All India Rank of **2504** in JEE Advanced 2017 among **150,000+** selected students.
- Achieved Rank **24** out of **2000+** in Cascade Cup, a data science hackathon organized by IIT Guwahati.
- Secured Rank **3** in Analyticity, the Business Analytics event of Technex, IIT BHU.