Aadarsh Lalchandani
AI Engineer

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Summary

Highly skilled and motivated professional with over 2 years of experience in Python, NLP, and Deep Learning, specializing in implementing ML algorithms for real-time projects. Proficient in a wide range of modern technologies including GCP, ASR, TTS, SQL, Shell Script, Power BI, and Web Scraping. Experienced in all stages of the data science lifecycle, from data acquisition and cleaning to modeling, visualization, and model deployment. Strong soft skills in communication, self-learning, problem-solving, and creative thinking.

Skills

Languages	Python, Java, SQL, GoLang, C#
Tools and Frameworks	Tensorflow, FastAPI, Flask, FastAPI, MySQL, MS Excel, Power BI, DBeaver
Developer Tools	GCP, VS Code, Goland, IntelliJ Idea, PyCharm, MS SQL Server, MySQL Workbench
Mathematics	Linear Algebra, Probability, Statistics

Technical Experience

NLP Engineer — **08 2022 — Present**
Ipsator Analytics — *Bangalore, Karnataka*

- Built a Text Recommendation Engine.
- Built a Classifier using Ensemble Learning Techniques.
- Contributed to the IRCTC eCatering FoodOnTrack APP.
- Performed Analytics on the customer data and derived meaningful insights.

AI Engineer — **09 2021 — 08 2022**
Higheredd — *Ludhiana, Punjab*

- Designed and implemented a Recommendation System to enhance the product quality.
- Collected and analysed various kinds of Text Data and performed EDA.
- Performed Transfer Learning on NLP Algorithms.
- Increased the growth company's growth probability by 70% by providing suggestions in the Product's UI and UX.

Projects Instructor — **07 2021 — 09 2021**
College Finder — *Jamshedpur, Jharkhand*

- Designed the projects Curriculum for the Data Science Course in the EdTech Venture.
- Trained and Implemented Python Projects with international students.
- Students whom I trained landed in big Tech MNCs after completing the course successfully.

Projects

Text to Image Generation
- Deployed a Stable Diffusion Model on GCP as FastAPI.
- Implemented a WebApp that hits the API endpoints on user's text input.
- Deployed the WebApp on GitHub Pages.

Speech To Text ChatBot
- Trained a Multi Layer Perceptron to classify the input class through Transfer Learning.
- Made own Dataset to train the required model.
- The model accuracy turned out to be 91%.
- Added a feature in which user speaks and the bot would return relevant pieces of text.

Text Recommendation Engine
- Applied Transfer Learning on NLP Algorithms like Word2Vec, USE, and BERT.
- Implemented an Ensemble approach to achieve a more generalized model.
- Model accuracy turned out to be 93%.

Education

Bachelor of Electronics and Communications Engineering, *Shree Swaminarayan Institute of Technology*	06, 2022
Higher Secondary Education in Science, *St. Xavier's High School, Hansol*	03, 2018
Matriculation, *St. Xavier's High School, Hansol*	04, 2016