Harsh Tyagi

LinkedIn | GitHub | X

Location: New Delhi, India
Email: Harshtyagi145@gmail.com | Mobile: +91 7678303334

PROFILE SUMMARY

AI/ML Developer with hands-on experience in Natural Language Processing , Computer Vision, deep learning models like CNN, Transformers, and GANs. Proficient in Python, TensorFlow, AWS SageMaker for building end-to-end ML pipelines. Skilled in data preprocessing and analysis using Pandas, NumPy, Matplotlib, Scikit-Learn. Worked on projects like Automated end-to-end ML pipelines, RAG, Content Moderation, Fine-Tuning LLMs (BERT, LLaMA, Mistral, T5).

SKILLS

Languages : Python, SQL
Frameworks : TensorFlow, Keras, Pytorch
Developer Tools : Amazon Web Services, AWS SageMaker, Docker, Git, GitHub Actions
Libraries : Pandas, NumPy, Matplotlib, Scikit-Learn, Seaborn, SciPy, Hugging Face, LangChain

EXPERIENCE

Generative AI Intern Aug 2024 – Present
Extuent *Remote – Florida, USA*

- Sole AI developer responsible for implementing key services for the company website.
- Planned, executed, and successfully deployed a suite of **cutting-edge AI-powered solutions**, revolutionizing user experience and operational efficiency: **Elevator pitch summary generator, Resume parsing service, Profile summary creator, Content moderation system**.
- Architected and implemented **scalable cloud infrastructure on AWS**, ensuring high availability and performance of AI services .
- Showcased exceptional **problem-solving, autonomy and project management** skills in a fast-paced startup environment.

PROJECTS

Scalable Automated ML Pipeline for Prediction Tasks on AWS SageMaker

* Built an automated end-to-end machine learning pipeline on SageMaker to streamline prediction tasks.
* The pipeline automates data preprocessing, training, deployment, and monitoring of a Predictive model.
* Leveraged AWS Lambda, EventBridge, and SageMaker Endpoints to build a robust and efficient pipeline architecture.

Transformer Model Implementation from Scratch

* Implemented the transformer architecture from the ground up using Python and TensorFlow for translation tasks.
* Created custom Encoder and Decoder layer using just TensorFlow.

Implemented GAN Architecture from scratch for Image Generation

* Designed and coded a Deep Convolutional Generative Adversarial Network (DCGAN) architecture from the ground up using TensorFlow for the MNIST handwritten digit dataset.
* Developed custom layers for the Generator and Discriminator components of the architecture.

EDUCATION

G.G.S.I.P.U New Delhi, India
B.Tech in Artificial Intelligence & Machine Learning *Dec 2021 – Present*
Academic Marks - 8.7 CGPA

ACHIEVEMENTS

- First Runner-up position in ML Hackathon.
- Top 15 team in Vihan 6.0 Hackathon out of 147 Teams.