Himanshu S

Work Experience

- **Anthromorphic** — Chennai, Tamil Nadu
  Statistician and Machine Learning Engineer — *January 2023 - Present*
  - **MLops and Model Development**: Developed ML models for image editing and generation, and chat prompts using Mistral-7B and Llama2. Implemented MLOps for AWS deployment, covering inference, S3 traffic routing, data storage, and API development.
  - **Statistics Teaching**: Assisted in teaching statistics, covering Hypothesis Testing, Z-Tests, T-tests, p-values, Regression Analysis, and ANOVA. Published an article on activation functions, cited in international journals.

- **CloudNuro LLC** — Chicago, Illinois
  Machine Learning Engineer — *July 2021 - October 2022*
  - **Time Series Forecasting**: Developed AryaAI, a forecasting model for SaaS companies to optimize spend. Used techniques like SARIMAX, ARIMA, MA, SARIMA, and Prophet for proprietary models.
  - **Cloud Engineering**: Managed model deployment using Google Cloud Functions, Compute Engine, and Pub/Sub. Utilized BigQuery for PostgreSQL database access. Set up logging, monitoring, and alarms for improved SRE.

- **Aoire** — Bengaluru, Karnataka
  Data Engineer — *Aug 2020 - Feb 2021*
  - **AI Chatbots**: Developed AI chatbots for business and customer interaction using SAP Conversational AI and low-code tools.

- **National Institute of Technology** — Agartala, Tripura
  Project Manager — *Aug 2017 - June 2018*
  - **Automatic Speech Recognition (ASR)**: Implemented Speech-to-Text and Text-to-Speech Translation using Wav2Vec, Google Transformer, CTC, achieving a WER of 5%.
  - **Auto-Levelling Quadrotor Drone**: Designed PID loops and coded raw sensor data translation for auto-levelling quadrotor drone.
  - **DeepDream Neural Network Style Transfer App**: Developed GUI-based DeepDream neural network style transfer application using Python and Caffe.

Skills

- **Programming Languages:** Python, Lua, SQL, Bash

- **Technologies and Libraries:** AWS, GCP, Pandas, Numpy, Tensorflow, PyTorch, Matplotlib, Seaborn, Flask, Django, FastAPI, Git

- **Machine Learning and Deep Learning:** Transformers, RNNs, CNNs, NLP, Transfer Learning, Reinforcement Learning, Autoencoders, GANs, VAEs, Attention Mechanisms, Recommendation Systems, XGBoost, Time Series Analysis.

Education

- **Bachelor of Technology in Electronics and Communication Engineering** — Agartala, Tripura
  National Institute of Technology — *Graduated 2021*