Saurabh Mishra

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Skills

- **Language**: Java, Python, SQL
- **Visualization**: Power BI, MS Excel, Jupyter Notebook
- **Libraries:** NumPy, Pandas, Scikit-Learn, Matplotlib
- **OS**: Windows & Ubuntu
- **Platform:** Hadoop, MS Azure
- **Version Control:** Git & GitHub

Experience

Data Analyst Intern   [06/2020 – 11/2020]   (6 Months)
Nepal Red Cross Society, Birgunj

- Completed data cleaning and data validation of existing spreadsheets using **SQL, pandas** and **regex**, resulting in accurate data entry and analysis.
- Supervised 4 colleagues to ensure adherence to quality standards and proper work procedures.
- Created visualization dashboards/reports using **Power BI** & **MS Excel**.
- Identified and analyzed trends or patterns in the data sets and presented them to the respective officials.

Education

- **B.Tech. Data Science | 8.929/10**   [09/2019 – 06/2023]   (Expected)
  SET, Jain University, Bangalore, India
- **Intermediate (+2)**   [02/2016 – 12/2018]
  NASA Int'l HSS, Kathmandu, Nepal

Projects

Realtime Image Segmentation Android App
- Built and trained a **DeeplabV3+** based CNN model using TF Keras and compressed it to tflite.
- Made an android app to stream frames from back camera using **Camera2 API** and integrated the tflite model to produce **realtime segmentation overlay** of camera frames.

Chatbot using Python
- Built a chatbot application using Keras 5 fully connected **Sequential** layers in python.
- Deployed the chatbot on web using **flask** framework.

Twitter Sentiment Analysis
- Built an NLP model to classify sentiment of tweets into positive or negative classes.
- Used twitter API to extract tweets from twitter.

Certifications

- Machine Learning and Image Processing by NASSCOM Foundation.
  - *Data Preprocessing, Data Augmentation, Regression, Classification, Clustering, Linear Algebra*
- Reinforcement Learning Essentials Training.
  - *Markov Decision Process, Monte-Carlo method, Temporal Difference method, Q-Learning, SARSA*
- Statistics Foundation: 1, 2, 3 by Eddie Davila.
  - *Measures of Central Tendency, Central Limit Theorem, Hypothesis Testing, ANOVA, chi-square, loss functions, crosstab*
- GitHub Essential Training by Aaron Stewart and GitHub.
  - *git push, git pull, git fetch, git merge, git clone, git add, git commit, git checkout, git remove*

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