Naman Mittal
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EDUCATION

University of California, Riverside   Riverside, California
Master's of Science in Computer Science   2021-2022

Medi-Caps University   Indore, India
Bachelor's of Technology in Computer Science   2017-2021

RELEVANT COURSEWORK

Data Mining, Machine Learning, Natural Language Processing, Advanced Data Structures and Algorithms

TECHNICAL PROFICIENCY

Python with libraries (numpy, pandas, nltk, Tensorflow), C/C++, R, Unix, SQL, Java, JavaScript, AWS

WORK EXPERIENCE

Machine Learning Intern (remote)   London, UK
3-2-1-GoCheck   06/2020 − 06/2021
- Developed OCR system using custom object detection with 98% accuracy.
- Used YOLOv3 model to generate texts from real-time images.
- Helped migrating the model training on the cloud to reduce training time to 70%.
- Collected and cleaned data using web scraping which includes data from 4 countries.
- Programmed document automation system on Angular Framework to save 90% manual work.
- Lead the team of 3 members to develop responsive website from scratch.

Front-End Developer   Chandigarh, India
Pryzm IT Solutions   05/2020 − 07/2020
- Converted 50+ Zeplin, Figma and Photoshop wireframes into webpages in the span of 3 months.
- Developed Admin Modules used to show and retrieve data of 10,000+ customers.
- Designed and Maintained 20+ APIs in AngularJs for a large e-commerce website.

PROJECT WORK

Musical Notes Generation using LSTM Neural Networks
- Given a sequence of musical notes, my algorithm generates musical notes which resulted in melodious music when played using any instrument with an accuracy of 88%.

Movie Recommendation System
- Teamed up with 3 people to build web-based user-item Movie Recommendation Engine using Collaborative Filtering by matrix factorization algorithm as a part of hackathon using Flask and Heroku.

Sentiment Analysis On News Headlines and Descriptions
- Sentiment Analysis was performed on headlines and descriptions of news articles using VADER sentiment analysis as a part of hackathon to determine whether the stock price will increase or decrease, achieved 80% accuracy, made on Flask framework and deployed using Heroku.

LEADERSHIP POSITIONS

Technical Content Developer   Indore, India
EdSigma Institute   10/2019 − 12/2019
- Updated content for a machine learning course which was taught to 200 students.
- Contributed to freelancing projects and generated revenue over $500.

Student Lead   Indore, India
Student Technical and Innovation Club   04/2020 − 03/2021
- Organize quarterly events like workshops, guest lectures and Hackathons managing 30 students.
- Making strategies for effective use of funding for event management.