Aditya Shinde

B-45, Chheda Complex CHS, Charkop Village, Kandivali-(west), Mumbai 400067 | adityashinde989@gmail.com | +91 9619631821

EDUCATION

D.J Sanghvi College of Engineering, University of Mumbai, India. **Expected: May 2019**

Candidate for Bachelor of Engineering in Information Technology with CGPA: 9.67/10
Ranked 3rd in the class of 76 students.
Relevant Coursework: Data Mining and Business Intelligence, Intelligent Systems, Data Structures and Algorithm Analysis, Advance Database Management Systems, Structured Programming Approach, Object Oriented Programming Methodology.

ACADEMIC PROJECTS

Reverse Image Search Optimization using Image Captioning (In Progress)

- Developing a software which generates captions or descriptions for a given image.
- The model will be implemented using Convolutional Neural Networks (CNN) and Recurrent Neural Networks (RNN).
- Will be using CNN for object detection and RNN for caption generation based on objects detected by the CNN.

Railway Concession and Leaving Certificate Portal

- Developed a portal through which students can apply for railway concessions (waiver in cost of monthly railway pass).
- Developed a Leaving Certificate portal for the college staff through which leaving certificate are issued to the students.
- Technologies used: HTML5, CSS with Bootstrap, JavaScript, AJAX, PHP.
- This system is currently being used in my undergraduate college (DJ Sanghvi).

P.O.W.E.R Portal (Project at Smart India Hackathon)

- C2C Web portal for women empowerment that connects projects to financial and human resources.
- KYC verification using Aadhaar API service and android application for easy access in rural regions.
- Implemented Machine Learning algorithms for offensive content detection and implemented offensive image detection using Image Recognition.

Dog Breed Classifier

- Developed a model which classifies dogs into different breeds using Object Character Recognition (OCR).
- Implemented Convolution Neural Network (CNN) for object recognition.

Protein Sequence Classification using Natural Language Processing (NLP).

- Proposed and Implemented a novel approach for protein classification using NLP.
- Developed and Implemented a neural network for the classification task using Embedding Layers.
- Authored a research paper on the same, which has been published in the journal “International Journal of Engineering Development & Research (IJEDR)”.

Comparative study of Regression Models & Deep Learning models for Insurance cost prediction

- Implemented regression models like multiple linear regression, Support Vector Regression, Random Forest Regressor and XGBoost regression for predicting insurance charges.
- Employed deep learning model like Deep Neural Networks to predict insurance cost.
- Compared the performance of the above models in prediction.
- Authored a Paper on the same, which has been accepted by International conference “Intelligent Systems Design and Applications (ISDA)” and subsequent publication in Springer.

SOFTWARE SKILLS

- Programming Languages: C, C++, Java, MySQL, Python.
- Application Development: Android.
- IDE: Eclipse, Android Studio, UNITY (Game Development).
- Libraries: Keras, Numpy, Pandas, Scipy.
- Web Technologies: HTML, CSS, Bootstrap, PHP, Javascript, AJAX.

EXTRA CURRICULAR ACTIVITIES

- Technical Head at DJCSI (Computer Society of India). Organised events like Codeshastra 4.0 - 24 hour hackathon in and workshops on Web Development, Game Development and Photoshop.
- Conducted lectures on AI and ML for juniors and colleagues as the Tutoring Head at DJ Init.ai (Artificial Intelligence Club of DJ Sanghvi College of Engineering).
- Finalist (Top 50 among 10000 participants) at Smart India Hackathon 2018.
- Participated in the inter-departmental dance competition, and stood 4th overall.
- Completed a course on Machine Learning by Andrew Ng.