

Aditya Shinde

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EDUCATION

University of Southern California (USC), Los Angeles, California. August 2019 - May 2021

Master of Science (MS) in Computer Science (GPA: 3.75/4.0)

Relevant Coursework: Analysis of Algorithms, Foundations of Artificial Intelligence, Web Technologies, Database Systems.

Dwarkadas J. Sanghvi College of Engineering, University of Mumbai, Mumbai, India. July 2015 - May 2019

Bachelor of Engineering in Information Technology with CGPA: 9.34/10.

Relevant Coursework: Data Structures, Advance Database Management Systems, Object Oriented Programming Methodology, Cloud Computing, Data Mining, Distributed Systems.

TECHNICAL SKILLS

- Programming Languages: Java, C/C++, MySQL, Python, Swift.
- Softwares: Android Studio, Anaconda, UNITY, MATLAB, Xcode, Rapidminer.
- Techstack: Flask, Keras, Numpy, Pandas, Hadoop, Django, AWS, Google Cloud, Azure.
- Web Technologies: HTML5, CSS, Bootstrap, PHP, Javascript, AJAX, JQuery, MongoDB, React, React Native, REST, Angular.js, Node.js, Express.js.
- Platforms: Windows, Mac, Linux, Git.

EXPERIENCE

Technical Head at Computer Society of India, Dwarkadas J. Sanghvi College of Engineering August 2017 – May 2018

Project – Railway Concession Automator & Leaving Certificate Generator.

- Worked primarily as a full-stack developer in designing and development of the DJCSI mobile application & the website.
- Implemented the back-end and the admin panel for a Railway Concession portal.
- Created a REST-API for collecting and modifying the data from the SAP server for student data.
- Increase the efficiency of the overall application process by reducing 30+ hour time spent per applicant.
- Remodeled the conventional handwritten leaving certificates procedure into a completely automated process for leaving certificates for students and also saving approximately 4+ hours per certificate.
- Reduced the losses by saving roughly \$0.7 per certificate (Institute with 6000+ students).

PROJECTS

Android News Application April 2020 – May 2020

- Developed an android news application by fetching news data from Guardian News API.
- Backend implemented using Node.js and Express.js.

ReactJS based News Web Application March 2020 – April 2020

- Developed a news web application using ReactJS, Javascript, NodeJS, AJAX and Bootstrap.
- Hosted the application on Amazon Web Services (AWS) and Google Cloud Platform (GCP).

Bull's Eye (iOS mobile game application) February 2020 – March 2020

- Developed a game application for iOS devices.

HALMA (Chinese checkers) Game Playing agent October 2019 - November 2019

- Developed an Artificial Intelligent Game Playing agent in JAVA programming language.
- Implemented Minimax Game Playing algorithm using alpha-beta pruning.

Reverse Image Search Optimization using Image Captioning July 2018 - May 2019

- Led a team of three people & Developed a captions or descriptions generation software for a given image.
- The model utilized Convolutional Neural Networks (CNN) and Recurrent Neural Networks (RNN).
- Employed CNN for object detection and RNN for caption generation based on objects detected by the CNN achieving an accuracy of 95%.

DJCSI Website & Mobile Application (Android & iOS) January 2018 - May 2018

- Developed a website as well as mobile application for Computer Society of India (CSI).
- Technologies used: HTML5, CSS, Bootstrap, Javascript, JQuery, PHP, Java, SWIFT.
- The application is available on Google Playstore and Appstore.

RESEARCH PAPERS

Comparative study of Regression Models & Deep Learning models for Insurance cost prediction. October 2018

- 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.
- Authored a Paper on the same, which has been accepted by International conference "Intelligent Systems Design and Applications (ISDA)" and subsequent publication in Springer.

EXTRA CURRICULAR ACTIVITIES

- Completed a NPTEL course on Software Testing.