GAURAV JARIWALA

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Education

Gujarat Technological University, Ahmedabad
Bachelor of Engineering in Computer Engineering, May 2020
CGPA: 8.36/10 (Up to Semester: 7)

P. P. Savani Cambridge International School, Surat
A Level (12th Grade), May 2016
Percentage: 80%

Skills

Programming Languages: **Java SE, Java EE, Python, C++, C#**

Machine Learning**: Scikit Learn, TensorFlow, Matplotlib, Keras, Neural Networks**

Frameworks: **Flask, Django, .NET**

Client-Side Scripting: **HTML5, CSS3, JavaScript, Jquery, Bootstrap**

Server-Side Technologies: **Node.js, JSP/ Servlets, PHP**

Database: **Oracle SQL, MongoDB, MySQL**

Version Control: **Git**

Operating Skills: **Windows, Linux**

Strong leadership, communication and critical thinking skills

Achievements & Leadership

- **Winner** of State Level Dance Competition, "**Flash Mob**", Surat, 2017
- Volunteered as a teacher and taught around 20 students at Shri Vrundavan Ranchhoddas Popawala Children Home, Surat, 2016
- **International Certificate of Education (ICE)** with **distinction** given by Cambridge University, 2014

Audited Courses

- Completed online course on "**Applied Data Science with Python by University of Michigan**" from Coursera
- Completed online course on "**Machine Learning by Stanford University**" from Coursera

Projects

Analysis and Prediction of Stock Market Trends, 2019

- Recurrent Neural Network is used for predicting the values of open, close, high and low of a particular stock
- Sentimental Analysis is used on the news headline to predict the trend of the stock
- Technologies used: Python, Recurrent Neural Network, Machine Learning

An Image classifier for TB detection using X-ray Scan, 2019

- This system is used to detect TB in patients using X-ray. The user needs to upload their chest X-ray and the system gives them probability of them having TB
- This system helps in removing the human error factor from the diagnostic procedure
- The system was trained and tested on two publicly available datasets: Sbenzhen chest X-ray set and Montgomery Country chest X-ray set (MC). Accuracy of 80 percent was achieved
- Technologies used: Python, Convolutional Neural Network, Machine Learning

Goods and Services Tax (GST) Billing System, 2019

- This application is used to print and save bills. This billing system is automated, the user just have to add details once
- Multiple companies billing of same user can also be handled through this application
- Technologies used: ADO.NET, C#.NET, MySQL

Noise Removal from Image, 2018

- This project was used for removing the blurriness from the image
- This made the image have more sharpness
- Technologies used: Python

YelpCamp, 2018

- This website showcases campgrounds which are given on rent
- YelpCamp is where user can add, remove and delete campgrounds
- The website contains login page and the users can add comments on a campground
- Technologies used: HTML/CSS, JavaScript, Node.js, MongoDB, Bootstrap

Publications & Workshops Attended

- Gaurav Jariwala and Harshit Agarwal, "**A Neural Network Based Approach for Operating System**", International Conference on Innovative Data Communication Technologies and Application [ICIDCA 2019], Lecture Notes on Data Engineering and Communications Technologies, vol. 46, pp. 594-599, Springer, Cham
- Gaurav Jariwala and Harshit Agarwal, "**Analysis Of Process Scheduling Using Neural Network In Operating System**", International Conference on Inventive Communication and Computing Technologies [ICICCT 2019], Lecture Notes in Networks and Systems, vol. 89, pp. 1003-1014, Springer, Singapore
- Gaurav Jariwala, Harshit Agarwal and Akshit Shah, "**Analysis and Prediction of Stock Market Trends using Deep Learning**", International Conference On Computing, Communications, and Cyber-Security [IC4S 2019], Lecture Notes in Networks and Systems, vol. 121, Chandigarh, India, 2019, indexed in Springer
- Three-day workshop on "**Python for Data Science**" Sponsored by GUJ-COST at SCET, Surat, 2019