Vatsal D
Computer Vision and Deep Learning Engineer

Hi! I am Vatsal, a software engineer who specializes in Deep Learning, Java Script, Nodejs, Tensorflow, Keras, Numpy, Python, socket.io, Websockets, Chatbots. I have done projects in Digital Signage, Media and high-tech, Telecom and Polyester Domain. I have done projects in object classification,object detection,face recognition/computer vision and character-model and text generation along with NLP as part of Deep Learning Specialization.

What sets me apart from other engineers is my efforts to provide additional value to my clients with my suggestions to improve their existing architecture, processes. I use paid online courses and subscriptions to keep myself up to date with the changing trends in the technology.

Skill Tags: Keras,TensorFlow, Numpy,Javascript, Python, Nodejs, socket.io, websockets, Core Java,JSP/Servlet, Google Dialogflow, Android(native-android studio), Kotlin,Swift, Google MAP API, Facebook API, JavaFX, REST API, HTML,Unix,CSS, SQL, XML, TIBCO EMC Documentum,jQuery

Experience

MVIX / CTO
MAY-2013 -PRESENT, SURAT, INDIA

- Designed Python based FW.
- Improved architecture of the product to improve server performance and load by implementing socket.io based nodejs APIs.
- Improved design of Xhibit Firmware to make it lightweight and robust product which is a content player for the Digital Signage
- Designed Desktop Alert/Notification system for desktop/laptops.
- Designed android native content player
- Designed a log management system for javascript console logs to address issues in the field which were difficult to be reproduced.
- Migrated application to new hosting provider and servers without any issues for the clients
- Identified performance bottlenecks resolving with new server architecture proposal.

Skills used: Python, NodeJS, JavaScript, socket.io, websockets, Java, Android(native), Servlet, HTML, NodeJS, Socket.io, jQuery, HTML, CSS, Google MAP API, Facebook API

Link(s) to the project: https://www.xhibitsignage.com

STERLITE TECH(Elite Core) / Tech Lead
OCT-2012 -MAR-2013, AHMEDABAD,INDIA

- Enhanced and maintained BSS Telecom Product billing solution for Nigeria and Mauritius telecom

Skills used: Core Java, EJB, J2EE

Link(s) to the project: N/A

ACCENTURE / Systems Analyst(Team Lead)
NOV-2007 -OCT-2012,MUMBAI,INDIA

- Developed front end for BSkyB(British Sky Network)
- Developed and enhanced web-based Project Management application EDGE for EMC2(Now DELL EMC)
- Developed and maintained reporting system for EMC (DELL EMC) channel express.
- Developed and maintained CRM middleware EAI Billing solution middleware for Vodafone UK.

Skills used: JavaScript,Java,JSP,Servlet,Dojo,jQuery,EMC Documentum,TIBCO EAI,EMS

Link(s) to the project: N/A

RELIANCE /Senior Programmer
AUG-2005 -OCT-2007,HAZIRA,SURAT,INDIA

- Developed and maintained POY and PSF production reporting systems.

Skills used: Java, JSP, Servlet, SQL, HTML, CSS, JavaScript

Link(s) to the project: N/A

Courses Taken

Tensorflow In Practice Specialization Coursera
JUN-2019 - On Going

PYIMAGE SEARCH GURUS
JUN-2019 - On going

Deep Learning Specialization Coursera
JUN-2019

Sequence Models /Coursera
JUN-2019

Convolutional Neural Networks /Coursera
MAY-2019

Structuring Machine Learning Projects /Coursera
MAR-2019

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization /Coursera
MAR-2019

Neural Networks And Deep Learning by /Coursera
JAN-2019

Hands-On Chatbot and Conversational UI Development by -Denis Rothman
DEC -2018

JavaScript The Hard Parts: Closures by William Sentance

AUG -2018

Digital Marketing Nanodegree / Udacity

MAR 2018 -JUN- 2018

Education

Veer Narmad South Gujarat University / Master of Science (Information Technology)

JULY 2003 - JUNE 2005, SURAT

Veer Narmad South Gujarat University / Bachelor of Science (Information Technology)

JUNE 2000 - MAY 2003, SURAT