Manraj Singh Grover

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OPEN SOURCE

Contributions

TensorFlow.js Core API by Google
TensorFlow.js Examples by Google
TensorFlow.js Converter by Google
DuckDuckGo Goodie IA
DuckDuckGo Spice IA
FireFox Gecko Engine by Mozilla
Pandas Library
GlobalizeJS

Projects

Halo - Python Spinners 1.7k★
Single Div Project 1.5k★
Football Command line tool 896★
Organize Command line tool 166★
Algorithms JavaScript Library 22★

EDUCATION

University of Delhi

B.E. in Instrumentation and
Control Engineering
Delhi, India
GPA: 7.72/10.0
Thesis
Automated Conveyor Belt Sorting
System

LINKS

Github:// **manrajgrover**
LinkedIn:// **manrajsinghgrover**
DuckDuckHack:// **manrajgrover**
Mozillians:// **manrajsingh**

SKILLS

Programming Languages

Python, JavaScript, R, C++, C, PHP,
T-SQL, Perl (basics)

Machine Learning Tools

Keras, Tensorflow, Scikit-learn, Pandas,
XGBoost, Numpy, HyperOpt

Relevant Skills

Data Structures and Algorithms, Git,
Continuous Integrations

ONLINE COURSES

Machine Learning By Andrew Ng
Deep Learning Specialization By Andrew Ng
Neural Networks for Machine Learning
By Geoffrey Hinton

EXPERIENCE

Practo | Software Engineer

September 2016 - Present | Bangalore, India
- Sepsis Onset Prediction based on Patient Vitals and Lab Results extracted from Critical Care Database using Machine Learning techniques (XGBoost, LSTM etc.)
- Hospital Costing Framework for optimal resource utilization at every hierarchy
- Financial and Operational insight generation from HIMS data
- Building a generic template-based natural language generation library

DuckDuckGo | Open Source Community Leader

June 2016 – Present | Remote
- Mentoring contributors and auditing peer code
- Contributed to 30+ Instant Answers with bug fixes and improvements
- Created 25+ new Instant Answer modules using Perl and JavaScript

OpenMF | Google Code-In Mentor

November 2017 – January 2018 | Remote
- Create tasks with varying difficulty for students across the globe
- Guide students on topics that block them from completing a task
- Review the pull requests and code submitted by the students

Refiral | Product Developer Intern

June 2014 – July 2014 | Gurgaon, India
- Developed and integrated internal Business Development tool from scratch
- Wrote Google Share feature for referral marketing using Google Contact API

RESEARCH

Practo | Research

April 2017 – Present | Bangalore, India
- Currently, working on clinical research of Sepsis Detection using Critical Care Database. Publication under work.
- Built medical contextual highlighter using LSTM - Ngram Network complete with visualization of patient similarity using D3.js

TensorFlow.js | Open Source Contributor

October 2017 – Present | Remote
- Implemented and integrated optimizers such as RMSProp, Adam and Adamax
- Migrated operations from graph mode to eager mode complete with gradients
- Contributed support of various new operations, examples, bug fixes and more

NSIT | Undergraduate Research

September 2014 – June 2015 | Delhi, India
Worked with Dr. Shampa Chakraverty, HOD, COE and Gaurav Saxena, Research Faculty on generating word clusters by graph clustering based on Hearst Patterns. Paper accepted in IICIP, 2016 and published in IEEEXplore.

ACCOMPLISHMENT

2018	TensorFlow.js	Recipient of Google Open Source Peer Bonus award
2017	6th / 6900	IndiaHacks: Machine Learning Challenge by HackerEarth
2017	3rd place	Practo Sandbox Hackathon
2017	Top 5	Trending developer on Github for project: Halo
2016	Top 5	Trending developer on Github for project: SingleDivProject
2015	AIR 476	CodeChef: Overall Long Challenges Ranking
2014	AIR 22	IEEEXtreme: 24 hour coding competition by IEEE