Agrawal Amey

http://agrawalamey.github.io
agrawalamey12@gmail.com | +91 992 885 2500

EDUCATION

BITS PILANI
BE (Hons.) in Computer Science
2014–2018 | Pilani
Cum. GPA: 7.48

LINKS

Github, Behance,
LinkedIn://**agrawalamey**

COURSEWORK

Data Structures and Algorithms
Object Oriented Programming
Database Systems
Operating Systems
Advanced Calculas
Linear Algebra
Machine Learning
Information Retrieval
Neural Networks and
Fuzzy Logic

SKILLS

Languages
Python • JavaScript • C/C++ •
Java • Matlab • Prolog •
Scheme • Verilog • Assembly
Databases
MySQL/Oracle/SQLite •
MongoDB • Redis
Web
HTML • CSS/SCSS • JQuery •
Angular • Express
Data Science
Numpy • Tensorflow • Keras
Misc
Shell Scripting • Git • LaTeX •
Markdown
Design
CorelDraw • Photoshop •
Illustrator

EXPERIENCE

BHARAT HEAVY ELECTRICAL LTD (BHEL)
Software Engineering Intern
May 2016 – July 2016 | Trichy, TN.
- Created a web-crawler and visualization tool in Node.js.
- Developed system log management tool using MongoDB and Python.
- Worked on a face recognition system based on Google's FaceNet.

DEPARTMENT OF VISUAL MEDIA
Front-end Developer and Graphics Designer
August 2014 – Present | Pilani, Raj.
Designed and developed six websites for BOSM (sports), Oasis (cultural) and Apogee (technical) festivals of BITS Pilani visited by more than sixty thousand unique users.

PROJECTS

AUTOMATED NEWS-IN-SHORTS | November 2016
- Created an automatic trending news aggregator using natural language processing models and unsupervised machine learning techniques.
- Developed web clients and REST API using MongoDB and Node.js.
- Implemented processing algorithm using Numpy, NLTK, scikit-learn and gensim.

IMAGE CAPTIONING USING LSTMS | October 2016
- Developed a deep leaning model for generating short descriptions of images based using CNNs and LSTMs.
- Implemented LSTMs in python using Numpy for CPU and Tensorflow for GPU implementation.

SITEMAP-DRAW | June 2016
- Created a site-map generator with back-end developed in Express (Node.js) and front-end in Javascript infoviz toolkit.

PREDICTING ELECTION RESULTS USING TWITTER | April 2015
- Modeled a deep learning algorithm to perform sentiment analysis on tweets to predict results of 2016 US presidential elections.
- Implemented convolutional neural network from the ground up in python.

LACUNA | February 2016
- Created an online treasure-hunt for technical festival of BITS Pilani, played by over 500 users in span of 24 Hrs.
- Developed game using vanilla Javascript.
- Designed vector and raster graphics for game in CorelDraw and Photoshop respectively.