KESHAV NAGPAL

Versatile

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EXPERIENCE

Innovation Intern

Gravity Consulting Pty Ltd.

June 2016 - Aug 2016 | Bengaluru

http://www.gravityconsulting.com.au

- It was an immense experience for me to work in the innovation department of gravity consulting Pty Ltd. During my internship i was assigned to make several tech demos and Proof of Concepts for different functionalities.
- Tech involved but not limited to D3js, Processing, NLP, Adobe Illustrator scripting.

COURSES

Python Programming

Learned basic concepts of python language from University of Toronto's online course

Django 1.9 Framework

Introductory course of back-end programming using Django framework from Udemy

Web design

HTML(5) , CSS(3), JavaScript and Materialize Framework to implement google's material design in basic web interfaces.

EDUCATION

B.tech Information Technology

GURU TEGH BAHADUR INSTITUTE OF TECHNOLOGY

Aug 2013 - ongoing | Delhi

% 74.5 / 100

Science 12th

HANSRAJ SMARAK SR. SEC. SCHOOL

Apr 2012 - Mar 2013 | Delhi

% 81 / 100

Science 10th

HANSRAJ SMARAK SR. SEC. SCHOOL

Apr 2010 - Mar 2011 | Delhi

CGPA 9.6 / 10

SKILLS

- Python
- Web Design and Development
- C/C++
- Java
- SQLite
- Data Driven Documents

AWARDS & HONORS

A memento for performing in inspire science camp at IIT Delhi

OTHER INTERESTS

- Music
- Human behavior
- Theoretical physics

PROJECTS

Motion Detection

2016

https://github.com/keshavnagpal/Motion-Detection

In this project motion detection is done using live video processing. Any ordinary camera can be used to capture live video stream and then that stream is processed using frame difference method to detect motion.

- This can be integrated with surveillance systems to automatically trigger alarms whenever motion is detected in a live video stream from the security cameras.
- This can also be used in motion tracking which may have many applications in visual effects industry.
- Technologies used in making this project - Java and Processing environment

Natural Language Processing

2015 - 2016

https://keshavnagpal.github.io/nlp

Objective of this project was to create a voice enabled user interface where user can perform interactions using voice queries in natural language. Interface will take voice query as input and process that query provided in natural language to show desired outcome based on that query.

- Using NLP user interfaces can be made more friendly and intuitive.
- Computer interactions can be made more human with the use of NLP.

Project Showcase

2015 - 2016

https://keshavnagpal.github.io

A project showcase for all my projects which are having web user interface.

- Made using HTML, CSS, JavaScript and Materialize framework.