JAY KANAKIYA

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EDUCATION

K.J Somaiya College Of Engineering *Aug 2016 - June 2020*
Bachelor of Technology in Information Technology

EXPERIENCE

Drishti Works *June 2018 - August 2018*
Machine Learning Research Intern

- **AURUS**: Worked on Collision Avoidance algorithm for a Rover using Deep Reinforcement Learning.

- **Triton**: Studied, analyzed, visualized beach incident data for over 40 beaches in Goa,India to find trends in factors affecting the incidents.

Venn Think Labs *December 2017 - January 2018*
Software Engineering Intern

- Worked with a team to develop a native application using React Native, which uses data clustering to bring people of similar interest together.

- Developed complete UI/UX of the application.

PROJECTS

Rinnegan
Application that checks your blinking pattern to find out your state of dry eyes and helps you avoid it by scheduling a series of gamified tasks which helps you to maintain your eyes in the right condition. Created in pygame, and OpenCV for detecting blinks.

ReceiptReader
A Web App that allows users to upload a photo of their receipts, and have the information update on their Monzo mobile app through the Monzo API. A Submission for HackCambridge 4D.

Gistly
An application that converts a video of longer duration to summarized video of shorter duration using LSA and NLP. Built in Python

Goa Beach Study Model
This data driven research was used to identify potential risks on beaches of Goa, India and build a ML model to predict the factors related to the different category risks. Create in Python with libraries: numpy, pandas, matplotlib, scikit-learn.

My Canvas
A Paint application created using HTML, CSS and JavaScript that lets user draw their imagination. Created using HTML/CSS and JavaScript.

CERTIFICATIONS

- **Machine Learning, Stanford University**

- **Neural Networks And Deep Learning, deeplearning.ai**

TECHNICAL STRENGTHS

Programming	Python, C, C++, Java, JavaScript, Matlab/Octave
Libraries and Frameworks	ReactJS, jQuery, Scrapy, BeautifulSoup, Flask, Bootstrap, OpenCV
Data Tools	numpy, pandas, matplotlib, seaborn, scikit-learn, Tensorflow
Databases	MySQL, PostgreSQL, MongoDB
Tools and Platforms	OS X, Linux, Windows, Git, Latex

ACHIEVEMENTS

Hack in the North 3.0

Placed 5th among 100 teams in HINT 3.0, India's largest student run hackathon conducted by IIIT Allahabad.

HackCambridge 4D

Place among the Top 15 Teams.