

Gurleen Singh Dhody

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Education

Indiana University, School of Informatics and Computing, Bloomington, IN, USA

May 2018

Masters of Science in Computer Science

GPA: 3.95/4.00

Coursework: Machine Learning, Computer Vision, Artificial Intelligence, Virtual Reality, Social Media Mining

Dehradun Institute of Technology, Dehradun, Uttarakhand, India

May 2013

Bachelor of Technology in Computer Science & Engineering

GPA: 3.15/4.00

Experience

Tech Intern, Google, Mountain View, California, USA

May – Aug, 2017

gTech, AdMob, App Conversion Tracking

- Pre-processing and logically combining app conversion tracking data for post-install event discrepancies between AdWords and third parties thereby improving the ability to analyze and debug these discrepancies
- Worked as a full stack developer to ship valuable features for phase one of the debugging tool for conversion tracking. The tool is used for the new API of app conversion tracking introduced at Google I/O 2017 that brings unprecedented amount of new, useful data that can be synthesized to make debugging escalations quick and painless.
- Technologies used; C++11, python, TypeScript, ProtocolBuffers, GoogleSQL, Angular2, Piper/Blaze, Borg, Unit Testing

Associate Instructor, School of Informatics and Computing, Indiana University

Jan – Dec, 2017

Mobile Application Development in Android, INFO-I 399 (Jan - May) | Pervasive Computing, CSCI-P 535 (Aug - Dec)

- Mentoring assigned students through capstone projects
- Assisting the professor in grading assignments and clarifying doubts about coursework outside class

Process Automation Consultant, Larsen & Toubro Infotech, Mumbai, India

Nov 2013 – May 2016

- Operated in the 'Digital and AdSales' divisions of our client VIACOM MEDIA NETWORKS – USA while collaborating with a team of 6 and during last year independently administered various projects
- Developed and maintained in-house model framework to run automated scenarios on the specified model framework that generated data reports to be later analyzed in terms of validity and accuracy with actual parameters
- Reduced business process time-cost factor from '1 week, 3 dedicated resources' to '1 hour, 1 resource'
- Initiated and presented key information about automation concepts and frameworks to the VIACOM account at Larsen & Toubro Infotech and discussed various automation approaches and demoed different tools (UFT, Selenium)

Projects

GunVision (Caffe, openCV, python)

April 2017

- Used deep Learning model, a modified pre-trained GoogleNet v1, to detect gun (revolver/pistols) being aimed by a human. Created a new dataset and augmented the images to increase training dataset.

Movie Success Analysis (sklearn stack, python, multi-linear regression, openCV)

April 2017

- Analyzed social mined data (IMDB, facebook, themoviedb) to understand success of Top 50 movies from 2008-16 listed on google.com. Also defining a model to determine the IMDB user ratings from the collected data

Machine Learning Model Comparison (python)

Oct 2016

- Compared Logistic Regression, Naïve Bayes, RBF and ANN models on SUSY dataset to find tuned hyper-parameters

Identify Zip/Postal Code (MATLAB, Artificial Neural Network)

Nov 2015

- Trained an Artificial Neural Network that takes an image of postal code written on envelope as input and detects/reads the numerical digits of the postal code

Movie Recommendation System (MATLAB, Collaborative Filtering Algorithm)

Oct 2015

- Created movie recommendation system that suggests new movies to watch from a large dataset based on user's past ratings of watched movies

Technical Skills

Languages python (Numpy, Pandas), C++11, Java, VBA, C#, SQL, TypeScript, R, MATLAB, JavaScript, HTML/CSS, XML

Software MS Word 365, MS Excel 2013 (Macros), Adobe Flash CS5, Eclipse Mars, Visual Studio 2015

Frameworks Selenium 2.48, HP UFT 12.00, Android Studio 1.4, Hadoop MapReduce

Operating System Windows 7, Windows 8.1, Ubuntu Mate 16.04