NARENDRA NATH JOSHI

Phone: (614) 822-0733 | Website: http://nnjoshi.co/
Email: nnj@cs.cmu.edu | me@nnjoshi.co

Grad student interested in machine learning, information retrieval and artificial intelligence

EDUCATION

CARNEGIE MELLON UNIVERSITY, SCHOOL OF COMPUTER SCIENCE — Pittsburgh, PA
Master of Science in Intelligent Information Systems — Aug 2016 – Dec 2017

- COURSES: Machine Learning, Search Engines, Language and Statistics

PES INSTITUTE OF TECHNOLOGY, DEPT. OF COMPUTER SCIENCE — Bangalore, India
Bachelor of Engineering in Computer Science — Sep 2011 – Jun 2015

- GPA: 9.29 / 10
- COURSES: Algorithms, Data Structures, Databases, Data Mining, Natural Language Processing, Social Network Analysis

EXPERIENCE

SENSARA TECHNOLOGIES — Bangalore, India
Product Engineer — Aug 2015 – Jul 2016

- Worked on Information Extraction and Retrieval from Wikipedia
- Worked on Data Warehousing and OLAP with TV program and ad data

INTUIT INC, INDIA DEVELOPMENT CENTRE — Bangalore, India
Co-op Engineering Intern — Jan 2015 - Jun 2015

- Worked on mint.com REST APIs as part of Mint Platform team

PROJECTS

Driver Fatigue Detection System — PESIT, BE Capstone Project

- Computer Vision and Machine Learning based Python project focused on real-time video processing on face
- Detected yawns and measured eye blink durations and frequencies
- Published in IEEE International Conference on Signal and Image Processing, China 2016

Customer Care Bot for Mobile Phone Sales — PESIT, Natural Language Processing Course Project

- Machine Learning and Natural Language based text-based customer care bot for mobile phone sales in Python
- Used in-house data to train question-answering model using MaxEnt classifiers and Markov models
- Handled spelling mistakes and shorthand (SMS/text) lingo

Image Classifier — Indian Institute of Science, Machine Learning Competition

- Wrote an image classification algorithm in Java which trains a classifier for five classes of images like images containing shoes, faces, houses, flowers and the rest
- Achieved a classification accuracy of 70.2% on a fairly diverse test set using non-linear Support Vector Machines

SKILLS

- PROGRAMMING: Python, Java, JavaScript, Android, HTML/CSS, PHP
- TOOLS AND FRAMEWORKS: Weka ML library, Python NLTK, Django, Flask, Jinja

ADDITIONAL INFORMATION

- Best Capstone Project (Social Impact), PESIT 2015
- Top 3 in SAP Lumira Hackathon, SAP 2014
- Won Intuit Android Hackathon, Intuit 2014
- Finalist, IBM The Great Mind Challenge, 2012

GITHUB: github.com/narendranathjoshi

LINKEDIN: linkedin.com/in/narendranathjoshi