SAURABH MATHUR

https://saurabhmathur96.github.io · saurabhmathur96@gmail.com · (812) 650-8527

EDUCATION

Indiana University, Bloomington — 2018 – 20

Master of Science, Computer Science

- Cumulative GPA: 4.0 / 4.0
- Relevant Coursework: Elements of Artificial Intelligence · Machine Learning · Advanced Operating Systems

VIT, Vellore — 2014 – 18

Bachelor of Technology, Information Technology

- Cumulative GPA: 9.12 / 10.0
- Relevant Coursework: Artificial Intelligence · Data Warehousing and Data Mining · Digital Image Processing · Operating Systems

WORK EXPERIENCE

VITacademics, CollegeCode — 2017 – 18

Developer

- Cut the response time by 50% for the backend server of an app that helps students keep track of their academics.

Microsoft, Bangalore — Summer, 2016

Intern

- Developed a hybrid algorithm for recommending movies with performance comparable to top 20 of the Netflix Prize participants.

Web Team, Gravitas, VIT — 2016

Developer

- Developed web-portals for registration and analytics for about 30,000 users at VIT's annual technical festival making it fully paperless.

PROJECTS

Automated Image Captioning System — March, 2018

- Developed a deep learning system to improve accessibility of images by leveraging Google's Inception-V3 for transfer learning.

Clickbait Detector — October, 2017

- Developed a chrome extension powered by a deep neural network that tags clickbait headlines on social media with 90% accuracy.

Facial Emotion Recognition — February, 2017

- Achieved human level accuracy on the task of inferring emotion from grayscale images of faces.

PUBLICATIONS

- Saurabh Mathur and Sumangali K. *Melanoma Detection using Capsule Networks* In proceedings of ICNTET - 18'. IEEE.
- Mathur S, Lopez D. *A scaled-down neural conversational model for chatbots.* Concurrency and Computation: Practice and Experience 2018;e4761. https://doi.org/10.1002/cpe.4761
- P. Karthik, M. Saurabh, and U. Chandrasekhar. *Classification of text documents using association rule mining with critical relative support based pruning.* In proceedings of ICACCI-16'. IEEE.
- U. Chandrasekhar and Saurabh Mathur. *Decision making using fuzzy soft set inference system.* In proceedings of ISBCC - 16'. Springer.

COMPUTER PROGRAMMING SKILLS

- Advanced: Python · JavaScript · Node.js · MongoDB · R
- Intermediate: Java · TypeScript · C · C++ · C# · MATLAB · Bash · SQL · LaTeX