Rishabh Narang

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EDUCATION

Columbia University   New York, NY
M.S. in Computer Science   Sep 2019 — Dec 2020

G.G.S Indraprastha University   New Delhi, IN
B.Tech. in Information Technology   Aug 2014 — Jun 2018

TECHNICAL SKILLS

Python3, Java, R, LaTeX, C++, HTML5, CSS3, Bootstrap, JavaScript, JQuery, AngularJS, NodeJS, Django, Git, Vim, Bash, NetLogo, Heroku, AWS, Google Cloud.

EXPERIENCE

Agent-Based Modeling Research Lab — Dr. Rinkaj Goyal   New Delhi, IN
Research Assistant   Sep 2016 — Jun 2019
· Investigated and showcased the mechanism of information/ message spreading in various Social Networks.
· Analyzed the importance of macro-meso-micro indicators in a Citation Network.
· Secured a grant of $3k from our university for funding my research work.
· Published and presented my work in journals and conferences.
· Automated the task of computation using Supervisord (Linux).

inVoid Technologies   New Delhi, IN
Head Computer Vision Engineer   Jan 2019 — April 2019
· Developed on-the-go Computer Vision Models for our clients.
· Programmed a day to day video analytics software to provide customer demographics to our client.
· Optimized the existing video analysis pipeline by using Redis queue.
· Migrated our local server to AWS instances for global connectivity.
· Built document detection and OCR technology for our partners with an accuracy of $\approx 93\%$.
· Worked on Computer Vision Data Pipelines.

Manav Rachna Innovation & Incubation Center   Haryana, IN
Software Developer   May 2017 — May 2018
· Re-engineered the offline bus attendance system to an online software based system.
· Developed a complete Full-Stack-Web Architecture for an automatic drink disposal machine.
· Designed a database schema along with an interface for IoT based automation product.
· Conducted a key-note speech on R-Programming with a batch size of ≈ 120 people.
· Hosted, deployed and maintained the applications on cloud instances.
· Mentored the interns for knowledge transfer to our code base.

PROJECTS

Innovation Evolution using Influence Propogation Models in Social Network   Sep 2017 — May 2018
· Empirically analyzed the process of gossip evolution in a given network.

Customer buying patterns in Online Shopping   Jan 2018 — Jan 2018
· Analyzed the association rules in buying patterns using Pandas and SK-Learn (Scikit-learn).

AI-powered Facebook Bot   Jun 2017 — Aug 2017
· Developed a Facebook Messenger bot using NLP, Django, and Messenger API.

PUBLICATIONS

1. Narang, Rishabh, et al. "Impact of Reciprocity in Information Spreading Using Epidemic Model Variants." Information 9.6 (2018): 136.

2. Narang, Rishabh, Sanjay Misra, and Rinkaj Goyal. "An Empirical Study on the Role of Macro-Meso-Micro Measures in Citation Networks." International Conference on Computational Science and Its Applications. Springer, Cham, 2019.