

Prachi Agarwal

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EXPERIENCE

IBM INDIA PVT LTD (GTS LABS) BENGALURU | JULY 2018 - PRESENT

Software Developer

- Automating IT Delivery activities from end-to-end making use of a serverless and containerized stack on the public as well as private Cloud.
- Working with team on key technologies like Airflow, Openwhisk, Kubernetes, Docker and ELK stack.

EDUCATION

MTECH (CSE)

IIT KHARAGPUR | 2016-2018

CGPA: 8.35/10.0

BTECH (CSE)

GBPUAT PANTNAGAR | 2011-2015

CGPA: 7.398/10.0

SENIOR SECONDARY (CBSE)

DAV PUBLIC SCHOOL | 2010

Percentage: 79.4/100

SECONDARY (CBSE)

DAV PUBLIC SCHOOL | 2008

Percentage: 90.6/100

COURSEWORK

Algorithms, Data Structures, Machine Learning, Information Retrieval, Natural Language Processing, Cloud Computing, Complex Networks, Object Oriented Systems, Smartphone computing, Intelligent Systems.

SKILLS

PROGRAMMING LANGUAGES

- C/C++
- Python (Basic)
- R (Basic)

OTHERS

- ML/NLP Tools : NumPy, scikit-learn, TensorFlow, NLTK, Pandas, Matplotlib
- Devops Technologies : Airflow, Openwhisk, Ansible(Basic), CI/CD, REST
- Github (Basic)
- Platforms: Windows, Linux

PROJECTS

AUGMENTED AUTOMATION TOOL | DATA SCIENCE INTERN | MAY 2017 - JULY 2017

- Worked with GTS analytics lab to build an Augmented Automation tool for data centers using Machine Learning and Watson APIs for NLP, Conversation and data storage integrated it with a Slack Bot.

CLASSIFICATION OF MOTOR IMAGERY DATA USING DEEP LEARNING TECHNIQUES | M.TECH THESIS

- Designed a Deep learning model in python to classify motor imagery movements data acquired during various physical tasks; allowing the model to predict the intention of the person and thereby aiding a differently abled person.

PREDICTING RETWEETS IN TWITTER | SPRING TERM 2017

- Prediction of whether a user will retweet a message received by him and thus finding the popularity score of a tweet.
- Used a modified generic Hawkes process equation to incorporate information of a user's past tweets, his topics of interest, influential neighbours' tweets and their interests and the structure of the network.

SCHOLARLY PAPER RECOMMENDATION VIA USERS RECENT RESEARCH INTERESTS | SPRING TERM 2017

- Recommending papers based on an individual's recent research interests modeled by a profile derived from their publication list, referenced papers as well as papers that cite their work.

ACHIEVEMENTS

- Secured 201 GATE Rank CSE in 2016
- Awardee of certificate of merit in AISSE, 2008 for being among the top 0.1% successful candidates in Science.
- Secured 2nd position in Silence Calling, Technical Fest, IIT Roorkee, Cognizance 2014.
- Secured 2nd position in Camera Keeda, Video making competition, All India Technical Fest Colosseum 2014.

POSITION OF RESPONSIBILITY

- Teaching Assistant at IIT Kharagpur for Data Analytics course.
- Coordinator of Engineering and Technology Society(ETS), GBPUAT Pantnagar.
- Coordinator of Accolade, All India Inter Collegiate Cultural and Fine arts Fest, and Technical Fest GBPUAT Pantnagar, 2014
- Coordinator of Samanvay, Annual Alumni Meet of College of Technology, Pantnagar, 2014