

Anish Batra

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EDUCATION

New York University, Brooklyn, New York
Master of Science, Computer Science

Aug 2018 - May 2020

Delhi Technological University (Erst. DCE), New Delhi
Bachelor of Technology, Mathematics and Computing (**CGPA**: 7.85/10)

Aug 2012 - May 2016

TECHNICAL SKILLS

Programming Languages Java, Python, R, SQL

Libraries / Tools Keras, Pytorch, Scikit-learn, Numpy, Pandas, Time Series Analysis

Web Development Spring MVC, Flask, REST APIs, Heroku Deployment

PROFESSIONAL EXPERIENCE

Senior Software Engineer, **Nucleus Software Exports Ltd.**, Noida, India

Jul 2017 - Jul 2018

- Managed and led a 7-member team towards production support of the Payments module in 2.5, 3.0 and 4.0 version of the FINNAXIA (transaction banking software) product.
- Designed and developed key features such as Auto-Settlement, Disbursement, Interest Calculation Engine for the pre and post-shipment loans while developing the Financial Supply Chain module for FINNAXIA 5.5.

Software Engineer, **Nucleus Software Exports Ltd.**, Noida, India

Jul 2016 - Jun 2017

- Developed 'Debit Consolidation' functionality to consolidate 1000 payment transactions at once based on different parameters such as payment value date, debit account number, currency etc - using technologies including Java, Spring and Hibernate.
- Developed an AI model that uses supervised learning to flag potentially fraudulent activity in a payment transaction.

Summer Intern, **ICICI Bank**, Mumbai, India

Jun 2015 - Aug 2015

- Handled 7 million rows of CIBIL (Credit Information Bureau, India) data.
- Determined 15 locations in India with the most potential for a new branch of the bank – using ML algorithms, Microsoft Excel tools and Python.

PUBLICATIONS AT INTERNATIONAL CONFERENCES

[Cardiotocography Analysis Using Conjunction of Machine Learning Algorithms](#)

Jan 2016 - Apr 2016

- Research paper presented and published at the *International Conference on Machine Vision and Information Technology (CMVIT 2017)* organized in Singapore. (Python/R, Neural Networks, Gradient Boosting, SVM)

[Classification of Arrhythmia Using Ensemble of Machine Learning Techniques](#)

Sep 2015- Nov 2015

- Research Paper presented and published at the *15th International Conference on Applied Computer and Applied Computational Science (ACACOS 2016)* organized in Prague, Czech Republic. (Python/R)

PROJECTS

Rank one at "Galaxy Merger Detection" Kaggle Competition (In-Class), NYU, New York

- Using an ensemble of ResNet50 and Xception deep learning models (optimizer: adam with decay), we analyzed 61,578 images of galaxies, and predicted their probability of belonging to a particular class (Keras, Tensorflow, Python, 1 NVIDIA V100 GPU, 16 CPUs).
- Deep Learning with Javascript*
Developed a web-app demonstrating the concept of client side artificial neural networks. The model predicted the top five probabilities of image uploaded (out of 1000 trained classes) (Tensorflow.js, Node.js, Keras, Express).

ACTIVITIES AND HONORS

- Table Tennis* - Have won several inter-college and state level competitions in the singles and doubles category.
- Acting* - Have acted in three short films directed by the film society of Delhi Technological University. The film named 'Juice' was awarded the 'The Best Short Film' award at the annual Film Festival named *Kaleidoscope*.