Anish Batra

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EDUCATION

New York University, Brooklyn, New York — **Aug 2018 - May 2020**
Master of Science, Computer Science (**GPA**: 3.7/4)

Delhi Technological University (Erst. DCE), New Delhi — **Aug 2012 - May 2016**
Bachelor of Technology, Mathematics and Computing (**CGPA**: 7.85/10)

TECHNICAL SKILLS

Programming Languages Java, C++, Python, R, SQL
Libraries / Tools Keras, PyTorch, AWS, GitHub, OpenCV
Web Development Spring MVC, Flask, REST API, SOAP, Cloud deployment

PROFESSIONAL EXPERIENCE

Summer Technology Analyst, **Morgan Stanley,** 1585 Broadway, New York — **Jun 2019 - Present**

- Developing high-performing, low-latency electronic trading systems, and evolving complex workflows and life-cycle management capabilities. (C++, AngularJS)

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, Computer Vision, 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).