

AMEY AMBADE

(646) 961-8378
amey.ambade@columbia.edu
linkedin.com/in/ameyambade

220 W 107th Street, #2A
New York, NY 10025
ameyxd.github.io

EDUCATION

Columbia University , CGPA: 3.6/4.0	<i>New York, New York</i>
MS in Computer Science (Machine Learning Track)	Expected Dec 2018
Courses: ML, NLP, Deep Learning, AI, Analysis of Algorithms, Cloud Computing and Big Data	
Indian Institute of Technology Indore , CGPA: 8.2/10.0	<i>Indore, India</i>
B.Tech. in Computer Science and Engineering	May 2017
Minor in Humanities and Social Sciences CGPA: 9.0/10.0	

TECHNICAL SKILLS

Programming Languages	Python, Java, C++, SQL, MATLAB
Tools & Technologies	TensorFlow, Theano, Keras, Linux, GitHub, LaTeX, Apache Tomcat

PROFESSIONAL EXPERIENCE

Schlumberger	<i>Houston, Texas</i>
<i>Data Scientist Intern</i>	June 2018 - Aug 2018
<ul style="list-style-type: none">Developed a deep learning-based model to detect and classify erosion in drilling and measurement tools to aid experts on oil rigs by automating equipment monitoring.Designed and developed LSTM models to predict drill cracking based on time series data from vibrating bottom hole assembly sensors.Built a health analyzer application for predicting magnet subsystem sensor failures for on-site rig tools.	
Ecole Internationale des Sciences du Traitement de l'Information (EISTI)	<i>Paris, France</i>
<i>Software Engineering Intern</i>	May 2016 - Jul 2016
<ul style="list-style-type: none">Refactored the database schema for better usability and maintainability of AREL, an e-learning platform used by over 1500 French students and alumni.Modeled and implemented methods to extract data from Oracle databases using Hibernate ORM for Java.Developed scripts for data extraction and helped restructure the web app using the Spring framework in Java.	
Gupshup	<i>Mumbai, India</i>
<i>Software Engineering Intern</i>	May 2015 - Jul 2015
<ul style="list-style-type: none">Integrated widely used web services like Slack, Pocket, Yandex and Wikipedia using Java and RESTful APIs with the SDK and API platform of Teamchat, an enterprise messaging solution for large teams.Responsible for real-time notification and translation systems for direct access to data from Teamchat's web or mobile interface, that are commercially available to clientele today.	

ACADEMIC PROJECTS

Contextual Neural Attentive Recommendation Machine , Columbia University	Jan 2018 - Apr 2018
<ul style="list-style-type: none">Built a deep learning-based architecture to improve session-based recommendations for e-commerce scenarios where user profiles are invisible using an attention mechanism and context information about the user's actions.Achieved significant improvements in Recall and MRR scores over the present baseline methods on the YouChoose dataset.	
Pictionary using PictoGANs , Columbia University	Jan 2018 - Apr 2018
<ul style="list-style-type: none">Designed and implemented a Generative Adversarial Network model called PictoGAN that can play Pictionary.Modeled multi-class data from the Quick, Draw! dataset to allow the generator network to produce output similar to human drawings of different objects.	
Integro , Columbia University	Aug 2017 - Dec 2017
<ul style="list-style-type: none">Developed a Django web app to pull information from various services like YouTube, Wikipedia, Twitter and Reddit based on searches, and make recommendations using AWS Lambda and DynamoDB.Designed content-based and collaborative filtering-based recommendation systems with AWS Cognito for credential management and trained the model on Apache Spark with the Alternating Least Squares algorithm.	