Karan Chaudhari

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• **Website** *krnch.me*

EDUCATION

New York University, Masters in Computer Science — **GPA 3.61** — May 2018
Pune Institute of Computer Technology Bachelors in Computer Science — **GPA 3.52** — July 2016

WORK EXPERIENCE

- ***Software Engineer,* Morgan Stanley,NY** (Aug 2018 - Present)
  - Working on realtime and end of day risk calculation applications for all prime brokerage and wealth management trades for morgan stanley
- ***SDE Intern,* Amazon Web Services,WA** (May 2017 - Aug 2017)
  - Worked on the AWS Codecommit Team. Developed three new API's for merging commits- Squash merge, Two branch Merge and Rebase merge. Worked on Coral, Brazil, AWS S3 and AWS DynamoDb
- ***Research Assistant,* NYU ,NY** (Mar 2017 - May 2017)
  - Extracted all the data on kiva.org using Multiple EC2 instances running in parallel. Built models in python and apache spark to predict loan behaviour and analyze all loan and lending data
- ***Software Developer Intern,* Project Economics, Brooklyn,NY** (Sept 2016 - Nov 2016)
  - Implemented and added aggregation features for product Dashboard Java Spring. Built a ticketing feature for the application. Resolved existing bugs in the customer facing and backend modules

PROJECTS

- **GraffitiMatch** *(May 2017)* Extracted all the 30000 graffiti images on data.sf.gov. Used this dataset to train a model using neural networks to predict if the image is graffiti or not. This project was built and presented at Techcrunch Disrupt hackathon and our submission won an award
- **AI Bots** *(Oct 2017-Dec2017)* Built a bot to win in the game of pacman. Used A* search and monte carlo simulation. Built an AI Bot in python for the halite multi strategy game using multi layer neural networks
- **SmartNews** *(Nov 2016 - Dec 2016)* Application for recommending live news built using News API, Newspaper Library and the New York Times Search API. Implemented context based recommender in python using Flask and Amazon web services for deploying the application
- **Recommendation System** *(Oct 2015 - Jan 2016)* Used the yelp Dataset to predict business ratings using various methods as clustering, regression and Matrix Factorization. Published a paper titled "Predicting business Successfulness using Predictive data analytics " based on this project
- Contributed to **Open Source** projects.You can view my work on **my Github page -** *github.com/krnch*

TECHNICAL SKILLS

- **Programming Languages**: C/C++,Java, Python, Lisp ,**Web Development**: Java Servlet Programming, HTML, Flask ,**Database development**: MySQL, MongoDB
- **Other Tools and Frameworks**: Python for Machine learning, Hadoop Streaming, Apache Spark, Matplotlib, Scapy, Latex.

RELEVANT COURSES

- GRADUATE COURSES - Programming Languages, Cloud computing, Design and Analysis of Algorithms, Big Data Analytics , Computer Vision, Artificial Intelligence, Machine Learning, Information Security and privacy
- UNDERGRADUATE COURSES- Data mining, Problem Solving with gamification, Business analytics and Intelligence, Data Structures, Software engineering

LEADERSHIP ACTIVITIES AND ACHEIVEMENTS

- Awarded Spike Fellowship at NYU
- Secured Second Rank at the National Standard Examination in Astronomy (NSEA) 2007
- IEEE Student Branch member. Involved in organizing programming competitions, technical workshops and project exhibitions in the college