

# Pratik Anil Kshirsagar

<https://kshirsagarpratik.github.io/> - <https://github.com/kshirsagarpratik> Email : pratikk95@hotmail.com Location : Chicago, IL (Relocatable)

## EDUCATION

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- **University of Illinois at Chicago** Chicago, IL  
*Master of Science in Computer Science; GPA: 3.60* Aug. 2017 – May. 2019  
**Courses taken:** Computer Algorithms, Cloud Computing, Data Mining & Text Mining, Applied Artificial Intelligence, Advanced Techniques in Software Engineering, Introduction to Machine Learning, Algorithms In Computational Molecular Biology
- **Vidyalankar Institute of Technology** Mumbai, India  
*Bachelor of Engineering in Computer Engineering; GPA: 8.35/10.0* Aug. 2013 – June. 2017

## SKILLS

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- **Languages**  
*Object Oriented and Functional Programming* (In descending order of proficiency.)  
**Python, JavaScript, JSX, Markdown, Java, Scala, SQL, C, x86-Assembly**
- **Web Development**  
**Front End:** React, HTML, CSS, JavaScript, jQuery, Bootstrap, Semantic UI, **Back End:** Node.js, Express.js, **Databases:** *NoSQL:* MongoDB, *Relational:* MySQL
- **Cloud, DevOps and Big Data**  
*Tools, Technologies and Services*
  - **CI/CD:** Jenkins, GitHub, Heroku, Firebase, GitLab
  - **Cloud Computing:** Amazon Web Services - Elastic MapReduce, EC2, S3
  - **Container Orchestration:** Docker, Kubernetes
  - **Apache Frameworks:** Spark, Hadoop
  - **Machine Learning:** Numpy, Pandas, Scikit-Learn

## EXPERIENCE

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- **University of Illinois at Chicago** Chicago, IL  
*Teaching Assistant* Jan 2018 - May 2018
  - **Teaching:** Teaching students and helping solve their doubts for CS 261 at UIC. CS 261 is the Machine Organization course at UIC for undergraduate students that deals with Assembly Language(x86), memory organization, code optimization and related concepts.
  - **Laboratory:** Supervising laboratory sessions for CS 261 which involved in directing students, solving any queries they have and providing further clarifications if required.

## PROJECTS

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- **GitHub Battle:** Web app that compares 2 GitHub profiles and generates score based on profile metadata using APIs. (*React, JavaScript, JSX, Node.js, Webpack, CSS, Firebase*)
- **Node.js To-Do List App:** Created and exposed a Node.js based API, backed by MongoDB & consumed by jQuery. (*Node.js, MongoDB, HTML, CSS, JavaScript, jQuery, Heroku*)
- **YelpCamp:** Marketplace for Campsites with MongoDB, Express, Node & Bootstrap plus Geolocation with MapBox. (*HTML, CSS, JavaScript, Bootstrap, Node.js, Express.js, MongoDB, Heroku*)
- **Jenkinsfile Analyzer:** Analyzed nature of Jenkins pipelines across open source projects to identify DevOps trends & patterns. (*Python, Jenkins, Docker, GitHub, GitLab*)
- **GitHub Repository Analyzer:** Analyzed nature of GitHub repositories to identify trends & patterns in version control systems. (*Python, Jenkins, Understand, Docker, GitLab, GitHub*)
- **OctaPi Predictive Simulation Cluster:** Monte Carlo simulation on OctaPi cluster with Spark & Kubernetes to predict Stock Market prices. (*Java, Spark, Kubernetes, Docker, Raspberry Pi, AWS*)
- **Jenkins and GitLab CI/CD service:** Simulated a DevOps pipeline with Jenkins, GitLab & SciTools Understand. (*Python, Jenkins, GitLab, Docker, GitHub*)