

KAUSTUBH KATKAR

Gainesville, FL, 32608 ♦ (+1) 352-870-7833 ♦ k.katkar@ufl.edu
https://www.linkedin.com/in/kkatkar/ ♦ https://github.com/KKkatkar

EDUCATION

M.S. in Computer Science, University of Florida

Gainesville, FL

May 2021

GPA: 3.7/4.0

Coursework: Analysis of Algorithms, Advanced Data Structures, Database Management Systems, Distributed OS, Machine Learning, Computer Networks, Pattern Recognition

B.E. in Information Technology, University of Mumbai

Mumbai, MH, India

June 2017

GPA: 7.8/10.0

Coursework: Cloud Computing, OOP methodology, Software Project Management, Web Programming

PROFESSIONAL EXPERIENCE

Founder/ Software Developer

Jan 2018 - May 2019

Swing Technologies, Mumbai, MH, India

- Developed website to host the information of services (logistics, product types and pricing of a solar panel installation). Conducted market analysis and developed client acquisition strategies.
- Built a software to manage the employee and project information, prompt for critical dates and fetch relevant news by deploying a web-crawler thus providing all administrative details through a single interface.
- Developed analysis utilizing electricity consumption data to identify the impact of transitioning to our product.

Java Developer Intern

May 2017 - July 2017

Applab Technologies, Mumbai, MH, India

- Developed Java application for employee activity management which simplified in house operations and record keeping.

SKILLS

Programming	Python, Java, C++, C, R, Elixir
Web Technologies	Angular, HTML, XHTML, CSS, JSP, JavaScript, PHP
Databases	MySQL, MS Access, DynamoDB and Oracle 11.0.
Services	AWS - S3, EC2, SQS, Lambda, Sagemaker, Wordpress, Docker

PROJECTS

Load Balancing using Cloud Services- (*Python, Flask, AWS*)

- Developed a dynamic job-scheduling framework to provide better scalability and fast processing of MTC workloads using a fully parallel Client-Worker based architecture.
- Deployed the framework to combine a large volume of images into a video slideshow to showcase effective utilization of AWS EC2 cores. **Publication:** [Load Balancing using Amazon Cloud Services](#)

Analysing Customer Engagement - (*Udacity's ML Engineer Nanodegree, Python, AWS*)

- Implemented supervised learning techniques to find the best performing classifier on labeled data. Utilized RandomizedSearchCV library to find the ideal configuration of hyperparameters for each model.
- The RandomForestClassifier achieved 91% accuracy in determining customer engagement with Starbucks brand over the unseen test data.

P2P File Sharing - (*Java*)

- Java P2P file sharing software similar to BitTorrent. Achieved concurrent communication and data sharing between peers and implemented the choking-unchoking mechanism which is one of the most important features of BitTorrent.

Restaurant and Market health data analysis - (*Javascript, Node.js, REST API, OracleDB*)

- Identified trends within a relational dataset (with over 450k data points) stored on the Oracle server at University of Florida using SQL queries. Delivered the data to a web dashboard by using Node.js for routing and displaying the information.
- Implemented an interactive and responsive user interface by employing AJAX calls to asynchronously deliver requested data to the web page.

EXTRA CURRICULAR

Event Management

Feb 2020 - Present

Stephen O'Connell Center, UF

Event organization, operations and hospitality.

ML Engineer

May 2020 - July 2020

Udacity Nanodegree

HONORS AND CERTIFICATIONS

- Oracle Certified Associate, Java SE 7 Programmer
- Data Scientist with R, [DataCamp](#)
- Dale Carnegie Training, Winning People with Professionalism
- INSPIRE- Scholarship awarded by the state board for academically performing within the top 1%.