

# Krishna Madhur Philkhana

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## SUMMARY

- Computer Science graduate with about three years of experience in software development. Ability to work well with minimal supervision, and can adapt to diverse teams and projects quickly.
- Proficient in Java, SQL, object-oriented programming and algorithms with excellent problem solving and analytical skills. Good knowledge in data mining, web scraping and predictive analytics.

## EDUCATION

**University of Illinois at Chicago, United States** 08/2015 - 05/2017

*Master of Science in Computer Science*

**Gandhi Institute of Technology and Management (GITAM), India** 07/2010 - 04/2014

*Bachelor of Technology, Computer Science and Engineering*

## WORK EXPERIENCE

**Laboratory Assistant – Ophthalmology Department** 09/2015 – 11/2015

*University of Illinois at Chicago, United States*

- Contributed actively to research at Ophthalmology Department by developing an ImageJ java plug-in application.
- This application is used to calculate measurements of the eye and aims in reducing the parallax error. **Technologies Used: Java**

**Software Engineer** 01/2015 – 06/2015

*NTT Data Global Delivery Services- Hyderabad, India*

- Developed and maintained a web application for “CSX Railroads” ensuring strong optimization and functionality.
- Interacted with clients to troubleshoot and solve issues in the production environment. Updated existing modules, to increase the performance. **Technologies Used: Java, Oracle, JSP, HTML/CSS**

**Software Developer Intern - Lab for Spatial Informatics** 10/2014 – 01/2015

*International Institute of Information Technology, Hyderabad*

- Developed a stand-alone application for Spatial Informatics Department which finds the dominant plant species in an area. This application was distributed to all research institutes in India and received much acclaim. **Technologies Used: C#, VS 2008**

## SKILLS

**Certification:** Oracle Certified Professional Java SE6 Programmer - 233862836OCPJSE6P

**Languages:** Java(proficient), SQL(proficient), TypeScript, C++, HTML/CSS

**Frameworks:** J2EE - MVC, JUnit, AngularJS, JPA, Hibernate, Spring MVC

**Databases:** MySQL(Proficient), Oracle

**Cloud Technologies:** Google Cloud Platform, Microsoft Azure

**Data Analytics:** Linux, Python, pandas, scikit-learn, Apache Spark

**Also, exposed to:** GIT, Maven, JDBC, HTTP, JSON, XML, RESTful web services

## PROJECTS

### Car Tracker – Egen Solutions

- Developed a REST API which collects data from IoT sensors and generate alerts as and when required. Also developed a client application which gives actionable insights to the customers. **Technologies: Java, MySQL, Hibernate, Spring MVC, AngularJS**

### Web Application - Karmabeets, Inc.

- Worked with a start-up for three months. Contributed in the development and maintenance of their web application. Troubleshot the application server and fixed many bugs in their production code. **Technologies: WordPress, Python, Google Cloud**

### Cloud Provisioning Strategies for Web Application

- Developed and deployed a full-fledged MVC E-Commerce web application on Microsoft Azure Cloud Platform. Conducted end-to-end performance testing and discovered cloud provisioning strategies by which an increase in availability and response time was achieved. **Technologies: Java, Apache JMeter, Microsoft Azure**

### Taxi Ride-sharing

- Designed and developed an algorithm for taxi ride-sharing from a busy transport terminal. This algorithm considers passenger's acceptable walking time and acceptable delay time which was never implemented by Uber or Lyft. It reduces the total ride requests by 50% and merges them in just under 30 seconds. **Technologies: Python, Linux, GraphHopper**

### Tweet Sentiment Classification on Big Data

- Developed tweet sentiment classifiers using machine learning techniques like Sampling, Bagging and Boosting to perform supervised multi-class classification on big data. Performed feature engineering extensively and increased the F-Scores from 52.91% to 60.14%. **Technologies: Python, Apache Spark, Microsoft Azure**