Sandeep Raju Prabhakar

+1 (224) 509 0292 SandeepPrabhakar2015@u.northwestern.edu Open to relocation across United States Github://sandeepraju Linkedin://sandeeprajup Twitter://@sandeeprajup

Education

Northwestern University - Evanston, IL

Expected Dec 2016

Master of Science in Computer Science - GPA: 3.93 / 4.00

PES University - Bangalore, India

Jun 2013

Bachelor of Engineering in Computer Science - GPA: 8.50 / 10.00

Technical Skills

Programming:

- ☐ **Proficient:** Python, SQL, HTML, CSS
- ☐ Familiar: JavaScript, Java, Go, C, C++, BASH, PHP

Design / User Experience: Adobe Photoshop, Balasmiq

Other Technologies:

- ☐ **Proficient:** Django, Flask, Ionic, PostgreSQL, Redis, Git, Emacs, Linux CLI
- ☐ Familiar: NodeJS, ReactJS, Spring boot, MongoDB, MySQL, AWS, Heroku, Bootstrap, AngularJS, WordPress

Work Experience

Expedia, Inc. - Chicago, IL Jun 2016 - current

Software Development Engineering Intern (Expedia Worldwide Engineering team)

- Developing a tool to automatically reconcile hotel room bookings from multiple third party hotel inventory providers.
 - ☐ Working on simplifying the process of developing and deploying Java Spring Boot application on AWS Lambda.

Foodrop, Inc. - The Garage, Northwestern University, Evanston, IL

Jan 2016 - current

Co-founder and Lead Software Engineer

- Co-founded Foodrop, an aggregated food ordering platform run by students as a part of NUvention entrepreneurship course.
- Designed and built the backend infrastructure along with the mobile application that powers the platform.
- ☐ Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern University.

Introduction to Programming (Python) - Northwestern University, EECS Department, Evanston, IL

Jan 2016 - Mar 2016

Teachina Assistant

- ☐ Conducted recitation sessions for a class of 52 to review the course content & discuss the assignments.
- ☐ Held office hours to help students, provided feedback on course content to instructor and prepared content for assignments.

Plivo, Inc. (YC S12) - Bangalore, India

Jun 2013 - Aug 2015

- Product Engineer
 - ☐ Was part of a three member Product Engineering team responsible for architecting, building and scaling the platform.
 - ☐ Authored an open source rate limit queuing system called SHARQ (http://sharq.io/).
 - Developed a distributed Call & SMS dispatch system; led the process of porting the SMS routing and billing system to Golang.

Shippr.in - Bangalore, India

Jan 2015 - Aug 2015

Software Development Consultant

- ☐ Developed the real-time vehicle tracking framework in NodeJS, SocketIO and Redis.
- Designed the backend architecture and the REST APIs using Django REST Framework.

Practo Technologies - Bangalore, India

Jan 2013 - May 2013

Software Engineering Intern

- ☐ Developed the server side PUSH notification backend for Practo Hello mobile application.
- ☐ Integrated a cloud telephony service provider to Practo Hello web application.

Alphamatters Advisors - Bangalore, India

Nov 2012 - Dec 2012

Software Engineering Intern

- ☐ Developed SOAP & REST APIs for their core stock prediction system.
- ☐ Plotting and regression analysis of stock market data in realtime.

Project Experience		
Sulley: An open source framew <i>Author</i>	ork for building SMS bots - Evanston, IL	Apr 2016 - Jun 2016
Developed a frameworkCurrently supports two	to help developers build SMS bots with very few files of Pyth major SMS providers (Twilio & Plivo) that can be seamlessly s ugin support to the framework to make integrations easy.	
Software Developer Worked towards predic	urant Inspections - EECS Department, Northwestern Univerting restaurant health violations using open data from Yelp anted machine learning techniques like SVM, Bayes Nets, Deci	nd City of Boston.
Researcher & Software Developer Worked towards evalua Tencent Inc, to model n Developed a data works	ting machine learning libraries that support online learning to both the mobile phone usage patterns to classify the mobile phone use flow framework on top of Vowpal Wabbit to help run large scarch has been submitted to the 'Computer and Communication'	o aid a mobile security project with er as 'owner or not'. ale experiments.
	niting queuing system - Plivo Inc., India, Bangalore	Jul 2014 - Aug 2014
The project was eventue	nented a rate limiting queue based on the novel approach by ally open sourced and currently available at http://sharq.io a SHARQ in their infrastructure as of today.	
Software Developer Created a platform to a Designed a technique to	on a Private Cloud - PES University, India, Bangalore estract the process of managing a telephony infrastructure of offload call-flow logic to a system connected over the network based format to represent a call flow or an IVR.	•
Researcher & Software Developer Created a weight based A prototypical movie ex	recommendation System for Movies - PES University, India recommendation system using graph as the primary data-st plorer software was built to survey the effectiveness of the al received critical reviews and invaluable feedback from WWV	ructure. gorithm.
Conference and Workshop Pre	sentations	
-	ndia more than hundred talk proposal to present my project at Py SHARQ - An API queueing system built at Plivo!" based on the	
Workshop Presenter ☐ Conducted a technical I	ays - PES University, Bangalore, India nands-on workshop on "Git - the distributed version control s sics like add, commit to advanced topics like Git workflow, in	•
	shop - IIIT-B, Bangalore, India workshop on building user interface components using Adobe inded by more than hundred students from universities all over	•
Awards and Scholarships		
Distinction Awards - PES Univer ☐ For academic excellence	rsity, Bangalore, India e in multiple semesters during undergraduate studies.	Aug 2009 - Jun 2013

MHRD Scholarship - Government of India, India

☐ For academic excellence by securing high score in the Pre-University examination.

Aug 2009