

SUMMARY

- Software Engineer with experience in operations & building robust web-applications in fast paced deployment cycles.
- **Masters Degree in Computer Engineering.** Interest & experience in distributed computing & machine learning.

AWARDS & ACHIEVEMENTS

- **ECE Department Chairman's fellowship award**, George Mason University, VA, USA 30 Apr 2013
- **Cerner Client Satisfaction Awards**, Cerner Corp., KS, USA 2014-2015

WORK EXPERIENCE

Software Engineer, Cerner Corporation, KS, USA 26 Oct 2015 - Present

Team - Strategy & Analytics

- Built **full-stack Node.js web-apps & REST services** for Operational workflow optimization that saved ~**9000** hrs/yr.
- Built backend Node.js integration with JIRA, Lync (using C#), Elasticsearch, Oracle DB, Kafka & Java services.
- Built a **Tensorflow** based model to automatically route support tickets. Improved accuracy by **17%** over existing model.
- Built a **Hadoop Cluster** from unused hardware & had it used to align client builds with Cerner gold standards.
- Built a **prediction model** to flag high risk support tickets that might get bad surveys that reduced them by **15%**.
- Deployed a **model to predict physician work schedules** used to deploy coaches to client sites with **80%** success rate.
- Built an **API** based on Locality Sensitive Hashing for **stack trace analysis** to reduce ticket turn around time by **7%**.
- Working on patient no-show, consult-time **prediction** & Reinforcement learning scheduling agent for physician clinics.
- Setup team Agile Board, Crucible reviews, code style standards & Elasticsearch user tracking to track 2500 app users.

Software Engineer, Cerner Corporation, KS, USA 03 Jun2013 – 25 Oct 2015

Team: Nursing Integration Services – SolutionWorks

- Primary point of contact & last layer of support for CareCompass – A **Java** based solution for Nursing users.
- Performed detailed RCA, created **Java** diagnostic packages, drove issues to resolution while meeting all KPI's/metrics.
- Logged Change Requests, drove technical investigations, enhancements, design changes with multiple teams.
- Developed strong client relationships & mentored new team members. Provided 24x7 on-call support for escalations.

Lead Graduate Teaching Assistant, George Mason University, VA, USA 25 Aug 2011-24 May 2013

- Maintained 100% compliance with ABET standards & co-ordinated all GTA activities. Reported to the ECE Chairman.
- Taught MATLAB to undergrad students for Signals & systems course, set quizzes, graded HW & proctored exams.

Trainee Service Supervisor, Weatherford OTME Ltd., Mumbai, India 18 July 2008 – May 2010

- Executed high value international MWD & Thru-Tubing field assignments for Major Oil field clients.
- Successfully provided Supervision, maintenance, support & end to end field engineering services for high stake projects.
- Managed work safety, direct client engagements & field operations independently in a fast paced, high risk environment.

Application Programmer, Syntel Inc. Ltd., Mumbai, India 12 July 2007 – 18 July 2008

- Wrote JCL, COBOL, DB2, C++, REXX, HLASM code on the IBM Mainframes platform for Allstate Insurance policies

TECHNICAL SKILLS

Programming Languages	Java, JavaScript, Python, R
Web Development	Node.js, Servlets, HTML, CSS, JQuery, Bootstrap, KnockOut, D3.js, NGinx
Big Data/Machine Learning	Hadoop Ecosystem (<i>Edureka Certified</i>), R, Scikit-Learn

BIG-DATA/MACHINE LEARNING COURSES

- Machine Learning, Coursera (*In Progress*), **Artificial Intelligence Nanodegree**, Udacity (*Enrolled*)
- Big data & Apache **Hadoop**, Storm, Solr, Mahout, R, Spark (*Edureka - Verifiable licenses available upon request*)

EDUCATION

Master of Science, Computer Engineering	George Mason University, VA, USA	18 May 2013
Bachelor of Engineering	Electronics & Telecom, University of Mumbai, India	01 May 2007

PUBLICATIONS/CITATIONS

- [Implementation of Secure Distributed Storage System](#), Cited by a [US Dept. Of Defence research](#) & [2] Fall 2012
- [Study of McEliece & Neiderreiter Cryptosystems](#) (Masters Degree Scholarly Paper) Spring 2013