

# Abhishek Chandratre

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## Summary

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Self-motivated programming enthusiast, with solid computer science fundamentals. Passionate about learning and enabling individuals by sharing knowledge. Excited to work on System Programming, Parallel Computing, HPC projects.

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## Work Experience

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### Senior Software Engineer - A10 Networks, San Jose, CA

Jan 2018 - Present

- Designed and implemented Configuration Validation and Deployment strategies from cloud product to devices.
- Developed a turnkey solution to store logs in SQLite database, and to access them via HTTP request.
- Proactively collaborated with UI team to auto-generate GUI, and provided Web API to access logs.
- Refactored C files, makefiles, python scripts adhering to the best industry practices.
- **Bagged "Rising Star 2018" award** for technical and non-technical contributions.

### Summer Intern - A10 Networks, San Jose, CA

May 2017 - Aug 2017

- Automated documentation generation pipeline, that saves 30%-40% man hours of documentation team.
- Enhanced user and developer REST API experience by providing accessible documentation using Swagger UI.
- Implemented a python project to convert JSON schema to OpenAPI schema.
- **Won 1st prize** amongst 17 interns at "Intern Engineering Awards 2017" for most valuable contribution.

### Member of Technical Staff - Mojo Networks, India

Nov 2015 - Jul 2016

- Contributed notably to Blackice project, which increased number of concurrent Access Point upgrade by 100x.
  - Implemented Messaging using RabbitMQ and Python, that empowered multiple AWS servers to act collectively.
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## Skills

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**Languages:** C, C++, Python, Java, Golang, LISP, Haskell

**Libraries:** OpenMP, OpenMPI, MR-MPI, Cuda, Rabbit-MQ, SupervisorD

**Web Development:** Python-django, Flask, JSP, Servlets, Golang

**Everyday Tools:** Emacs, Vim, Tmux, Docker, Kubernetes

**Debugging Tools:** GDB, PDB, Valgrind, nm, Objdump, ReadELF

**Version Control:** GIT, Subversion, Mercurial

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## Education

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### University of North Carolina

Charlotte, NC

Master of Computer Science - GPA 3.90/4.00

Aug 2016 - Dec 2017

- Master's Thesis on "High Performance Parallel Shortest Path".
- Teaching Assistant for ITCS 6112 (Software Design) and 5145 (Parallel Computing).

### Pune Institute of Computer Technology

Pune, India

Bachelor of Engineering in Information Technology - GPA 3.41/4.00

Jun 2011 - Jul 2015

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## Projects

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### Emacs Plugins

- Developed [eyebrowse-projectile](#) plugin to achieve screen/tmux like development workflows.
- Sent upstream patches to various open-source emacs packages like [org-mode](#), [eyebrowse](#), [awesome-emacs](#).

### Markdown-Helper.vim

- Being avid Vim user, created vim plugin to assist write markdown documents.

### Adhoc Sports

- Aimed to connect people using sports as a medium. Web app developed using Python Django Framework.
- Made use of Django Rest Framework to implement REST API. Practiced Agile development methodology.