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## ACHIEVEMENTS

2015 National Cyber League Fall  
Regular Season **48<sup>th</sup> Rank**

2015 National Cyber League Fall  
Post Season **9<sup>th</sup> Rank**

## SKILLS

Languages: **C++, C, Python,**  
**C#, SQL, angularJS, javascript,**  
shell scripting

Web Development: **HTML5/CSS,**  
Bootstrap, jQuery, XML, AJAX

Tools: Vim, PyCharm, **Atom,**  
Visual Studio, **ODBC, SQL**  
Server Management Studio,  
MongoDB, version control  
(**Git, Mercurial, TFS**) CI tools  
(**Travis**)

OS: Ubuntu, Kali, CentOS, Mac  
OSX, HP-UX 11.11, Windows 07,  
10, Windows server 2012 R2

Network skill: Knowledge in  
BGP, DNS, **TCP/IP, VLANs,**  
DHCP, creating and managing  
VPCs

## CERTIFICATIONS

Certified Tutor L1 - College  
Reading & Learning Association.

## COURSES

Distributed Computing,  
Operating Systems,  
Object-Oriented Programming,  
Design and Analysis of  
Algorithms, Advanced Computer  
Security

## EXTRA CURRICULAR

Contributed in KDevelop an  
open source IDE.

# AKSHAY PRAKASH JOSHI

## Software Engineer

## EXPERIENCE

### Sungard K-12 (FIS), Chico — Software Developer Intern

May 2016 - PRESENT

- Worked on development and maintenance of Sungard K-12's software Business Plus
- Worked on codes in **C# .NET, LINQ, javascript, RESTful API**, also worked on C++ and shell scripting in UNIX environment

### California State University, Chico — Instructional Assistant

June 2015 - May 2016

- Tutored Computer Science courses for undergraduate classes
- The languages used while teaching were **C and C++**
- Demonstrated Skills to explain complex problems, patience, flexibility, confidence-building

## EDUCATION

### California State University, Chico — Masters in Computer Science

August 2014 - December 2016

### University of Pune, India — Bachelors in Electronics Engineering

August 2010 - June 2013

## PROJECTS

### Gold Chase Multiplayer — (April 2016)

- A multiplayer gold chase game in C++ **uses shared memory, semaphores** and socket programming
- Creates **server and client daemon, integrates POSIX message queues**

### Data Scraping — (April 2016)

- Wrote different Python scripts which **extract or push data on a website**
- Script for liking all the posts on Facebook by a specific facebook page.
- Script for posting tweets on twitter.com through command line.
- Weather app in **Python, which pulls data from JSON** reply

### BitGit App — (January 2016)

- Android app to access Bitbucket repositories or Github repositories
- **3500+ downloads on Google Play Store**

### String Substitution — (December 2015)

- String from the given file is substituted with another string
- The string substitution works inline, the algorithm works in single pass reading from the beginning, towards the end while substituting it

### Implementation of suffix array — (May 2015)

- This program is in c++ implements suffix array in O(n) time complexity for string that is given as input

### Library Search Engine — (Sept 2015)

- Uses object oriented methods to search through database in .txt file
- Creates card catalogue of database for books, periodicals, films and videos is searched through call number, title, subject or other field
- It finds the search string in respective databases for respective categories