

# ALOK PANDEY

M-II 59, SECTOR-C

+91-9711477457

JANKIPURAM

iamalok185@gmail.com

LUCKNOW-226021

<https://github.com/zealfire>

## Areas of Interest

Problem Solving

Web Development

Data structure

Microcontroller programming

Algorithm analysis

Problem Troubleshooting

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## EDUCATION

### 2012-Present Bachelor of Technology, Computer Science & Engineering

Jaypee Institute Of Information Technology, Sector-62, Noida

CGPA (till 4th Semester) : 9.5

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## RELEVANT EXPERIENCE

Computer Sciences Corporation

Feb 2015-Present

- . Currently working on developing a survey tool which works dynamically.
- . This tool is supposed to provide user interface to both desktop and mobile net users.

Drupal

Dec 2014-Present

- . Since I am a supporter of open source so I have actively involved myself in contributing towards Drupal.
- . I have submitted various patches details about which can be found out at link on [Drupal](#). Also I have been able to port a module detail about which can be found out at [drupal site](#).

Marg Software solution Intern

June 2014-Aug 2014

- . Worked on content management system Drupal
- . Contributed to website ([upmededu.in](#)) dealing with health department of Uttar Pradesh Government
- .Worked extensively on scraping and crawlers(mainly done using php and CasperJs)
- .Development of chrome extension(two extensions developed and deported to chrome webstore)

ZENEVO TECHNOLOGIES Pvt. Ltd. , LUCKNOW

Dec 2013-Jan 2014

### Chat Application

- Learned web programming languages like javascript, Php,Ajax,CSS .
- Implementation of multiuser and single user facility in the chat application.

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## Project Work

### Undergraduate Projects

#### Diverse web application(Sep`14- `14)

- This project provides two kind of services(location based and scraping based service)
- Location based service deals with providing details of common services available nearby a given location
- This part of project would be developed using MVC framework AngularJS
- The second part aims to make scraping of data autonomous and extensively makes use of crawlers developed using php and CasperJs.

#### Developed a website which was mainly developed to show scraping of data in real time(June`14-Aug`14)

- The website renders its content using scraping of data in real time from another website.
- Website is available at this link ([moviesnow.site50.net](http://moviesnow.site50.net)).

#### Development of chrome extension(June`14-July`14)

- First extension deals with notification of Hackerrank contests (<https://chrome.google.com/webstore/detail/koedhnpiplehldjojieoecfjdepplgfd>).
- Second extension deals with rendering of data directly from IMDB(<https://chrome.google.com/webstore/detail/blmfonnhidmbgcpghlbogjgdkdlmdknh>)

#### Hitch Avider (Feb.`14-May`14)

- Made a Robot which avoids obstruction on road by following the rules of traffic.
- Follows the rule of traffic light too.
- Programming done on Arduino

#### Space havoc game (Oct.`13-Dec.`13)

- This project was given as assignment under a course organised online by Rice University,United States.
- Implementation done by using python as programming language.

#### Surgio Managio(Oct.`13-Dec.`13)

- Completed this project keeping in mind about necessities of a surgery department in a hospital in day to day life.
- Software used :ORACLE
- Languages used: SQL, PLSQL

#### Android application (May`13-June`13)

- Successfully submitted an app in a seminar organised by GTUG (Google technology user group).
- This app mainly concerned with recording system in mobile.

#### Railway reservation system (Oct.`12-Nov.`12)

- This project was implemented maintaining a similarity with Indian railways ticket reservation system (IRCTC).
  - Made use of some basic data structures implemented in C.
  - Also implemented some graphic utilities provided by C language.
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#### Technical Skills

**System Programming:** C, C++, JAVA, Python, Microcontroller based

**Web scripting:** PHP, javascript,HTML5,CSS,Ajax

**Modal view controller:** AngularJS, CasperJs

**Testing Frameworks:** Simpletest, PHPUnit.

**Libraries and Framework (Web):** jQuery, Drupal, Twitter Bootstrap

**Platforms:** MATLAB, Eclipse, Visual Studio, Linux terminal, Kiel, ArgoUML

**Version Control System:** Git

**Operating Systems:** Windows, Linux

**Database:** MySQL, Oracle

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#### ACHIEVEMENTS AND AWARDS

- Earned statement of accomplishment after successfully completing a course organised by Rice University,United States by the name of "An introduction to interactive programming in Python".
- Qualified successfully for onsite regional competition of ACM ICPC Kanpur for year 2014(among 545 teams all over India only 90 were selected)
- Present rank of 280 worldwide and 150 in India on codechef(codechef handle:zealf).
- Participated in development competition of Topcoder and achieved third rank overall.
- First position in my branch (computer science),while second position overall in my college among student strength of around 800.
- Rating of log(n) achieved on Hackerrank(handle:zealfire).
- Achieved status of expert on Codeforces(handle:zealfire).
- Qualified for intial round of Google code jam with third best score.
- Qualified for elimination round 2<sup>nd</sup> of Codesprint 2014 organised by Hackerrank(Around 500 teams were selected of 5000 total teams).
- Qualified intial round of Bayan challenge.
- Contributed to open source organisation Drupal.
- Has been an active contributor to various programming forums like geeksforgeeks,codechef,etc.Also was among world's top five contributor on codechef forum in month of November,2013.
- Managed to secure top 10 ranks in the various competitions organised on codechef.