

Chandra Shekhar

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SUMMARY

Software Engineering Graduate student seeking summer internship position.

EDUCATION

Masters in Software Engineering Aug 15 - May 17(expected)
San Jose State University, California, USA GPA 3.47
Relevant Coursework: Enterprise Software Platforms, Software Systems Engineering, Cloud Technologies.

Bachelor of Technology in Computer Science and Engineering Aug 09 - July 13
Jaypee Institute of Information Technology, Noida, India
Relevant Coursework: Data Structures, Object Oriented Programming, Fundamentals of Algorithms, System Programming, UNIX Programming, Database Systems, Discrete Mathematics.

TECHNICAL SKILLS

Programming : C/C++, Python, PHP, Java, MySQL, Android, SQL, Ruby, Junit
Web Technologies : HTML5, CSS, JavaScript, MongoDB, Node.js, J2EE, JavaScript, JSON, Express.js
Server Technologies and Tools : GitHub, Eclipse IDE, Amazon Web Service, Google App Engine, Salesforce.com
Platforms : Linux, Windows, Mac

PROJECTS

UML Diagram Generator | San Jose State University | Fall 2015 |

- Developed an application that translates Java source code to UML Class diagram.
- Had ability to capture complex class relationships directly from source code.
- Used ANTLR to generate Abstract Syntax Tree and PlantUML & GraphViz to generate UML Class Diagram.
- Technologies Used: PlantUML, GraphViz, ANTLR, Java.

Air Quality Monitoring using Mobile Sensor Cloud Computing | San Jose State University | Fall 2015 |

- Designed and developed mobile cloud components to establish mobile sensor cloud infrastructure with simulated sensors and sensor controllers by using AWS, Node.js, Android, MongoDB and MySQL.
- Used CloudWatch to monitor the cloud resources used by the application and develop a dashboard to display it. Integration of HighCharts to visualize the aggregated data in form of charts.
- Technologies Used: Amazon EC2, Amazon RDS, Node.js, Android, MongoDB, MySQL, CloudWatch, HighCharts, JSON, HTML, CSS.

Road Rage – A Driving game | San Jose State University | Fall 2015 |

- Designed and developed a 2D Java game using Greenfoot game Engine.
- Game used various design patterns and was written in a modular fashion with extensibility in mind

Photos Map App

- Developed a Geo- tagging Android App which allows users to create a map of their visited places and share them with other users.
- Gives user option to edit the Exif metadata of the image. It also allows user to write text to the image.
- Gives user ability to store data remotely in the cloud.

Sudoku Solver & Generator

- Developed a Java game using java swing which gives user ability to generate a Sudoku.
- It also allows user to solve a Sudoku. User just has to just enter the numbers in the grid and the application will solve the Sudoku.

Captcha Generator

- Developed a PHP based Captcha implementation that generates different types of Captchas

OTHER ACHIEVEMENTS

- A+ certificate in Android Training [Hewlett-Packard Educational Service].
- Event organizer of various cultural and technical events at JIIT college fest.
- Among top 2% of candidates in GATE 2014 [Graduate Aptitude Test in Engineering].
- AMCAT Score: Quantitative Aptitude 99 percentile, Computer Programming 99 percentile.
- Scored 95% in Computer Science in class X and class XII examination.