SAURABH SINGH RANA

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OBJECTIVE

Actively seeking full time job for summer 2017 in the field of Software development and JavaScript application development.

EDUCATION

UNIVERSITY OF FLORIDA   Gainesville, FL
Master of Science, Computer Science, GPA: 3.33, (Expected Graduation: May 2017)   *Jan 2015* - Present
- *Courses: Computer Network Security, Algorithms, Cryptography*

Jaypee Institute of Information and Technology   Noida, India
Bachelor of Technology, Computer Science, GPA: 3.33   *July* 2011 – Dec 2014
- *Developed a Sentimental Analysis of news in real time in PHP*

SKILLS

- **Programming Languages**: (Proficient)C/C++, Currently using JavaScript and Node.js. Previously PHP, Python.
- **Markup & Formats**: Proficient with HTML, CSS, XML & JSON.
- **Database Systems**: Experienced with MySQL and MongoDB.
- **Libraries & Frameworks**: Node.js, Express.js, p5.js, jQuery
- **APIs and Tools***: Git, Heroku, Amazon EC2, Shodan API

ACADEMIC PROJECTS

PBX (Private Branch Exchange): A Measurement Study on Vulnerable PBXs [Research, Python]   January 2016

- First ever research on vulnerabilities of PBX machines. We found one in ten PBXs were vulnerable to DOS and Exec code attacks. Nearly 3800 PBX machines had a vulnerability of CVE score 9 or greater.

Real-Time News Feed Aggregator [PHP]   July – December 2014
- Developed a lighting fast RSS reader displaying news from multiple sources in real time.
- News articles gets stored in a JSON file which allows news reading without the internet once the website is loaded.

HOBBY PROJECTS

Todo Node.js Application
- An improvement over my JavaScript todo application**.** Application retains the user's task even after browser refresh.
- The app is much smoother and uses the Express framework and RESTful Node API to store the todos in MongoDB.

Tech News Search Engine
Demo - [www.saurabhrana.me/SearchEngine]
- The search engine gathers the latest news articles from websites like Techcrunch, Guardian etc. in real time and provides an easy search functionality.
- Written solely using JavaScript/AJAX/jQuery along with HTML/CSS.

IMDB Movie Info Scraper
- Developed a website scraper for IMDB using Python which when provided with movie name and movie release year gets the movie description, director's name, cast, storyline and many more details from the IMDB page.

Todo Application
Demo - [www.saurabhrana.me/todo]
- A JavaScript two-column todo application that stores todo tasks and completed tasks.

Twitter Bot
Repo - [www.github.com/saurabh2816/twitter]
- A Node.js twitter bot that tweets to my personal account from the terminal.