

Utkarsh Raj

Internship Resume

Contact Information

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Education

- 2014–Present **Bachelor of Computer Science:** National Institute of Technology, Himachal Pradesh
CGPA: 7.63 Highest SGPA: 8.2
- 2014 **Higher Secondary Education:** Woodbine Gardenia School, Kanpur, Uttarpradesh.
Marks in CS: 99/100 Overall Percentage: 93.8%
- 2012 **High School Education:** Woodbine Gardenia School, Kanpur, Uttarpradesh.
Grade Point: 10.0/10.0

Areas of Interest

Full-stack development, Web designing, Software Development,
Data mining, Open Source

Projects

- Full-stack Web **FitMeUp:** Submission for competition organised by RedHat foundation, New York. The project was designed as a Fitness tracker, using Recursive Neural Network for personalized health tracking and suggestion. My contribution was in writing the complete backend(NodeJS) and in designing the website. Used expressJS for http server, websockets for bi-directional data transfer, MongoDB for database and CSS3 property flex for writing responsive site for all platforms.
<https://github.com/clearnote01/nodejs-ex>
- Automation **ProxyHelper:** A automatic proxy configuration tool for linux, uses parallel UDP connection for evaluating available proxy servers and selects the one with least latency. Works automatically by a hook on if-up.d interface, activating on connection to internet. Support for proxy setting for npm, git, apt, pip & many more. Future plans to launch it on debian repository.
<https://github.com/clearnote01/ProxyHelper>
- Scraping & Data Analysis **Sentikart:** Submission for Indiahacks hackathon organised by Hacker Earth, 2016. Bagged 7th rank out over 20000 participants. Performs real-time analysis of customer reviews on e-commerce sites. My contribution was in writing a modified Naive Bayes Classifier for sentimental analysis of reviews and a asynchronous web scraper for very fast data collection.
<https://github.com/clearnote01/Sentikart>

Websockets **AsynChat**: A simple single page chat web-application with anonymous chat and color code for users. Written in nodeJS along with websockets for fast, minimum overhead, message transfer.
<https://github.com/clearnote01/asynchat>

Technical Skills

Languages Used

Python, JavaScript, Haskell(basic), Ruby(basic), TypeScript, C, C++, HTML, CSS

Web Technologies

NodeJS, AngularJS, ExpressJS, MongoDB, Socket.io
Django, Flask, Sqlite

Software Packages

Wordpress, Linux, Archlinux, VIM, GIT, L^AT_EX

Honors & Achievements

- 2016 7th rank out of 20,000 participants in Indiahacks hackathon
- 2016 2nd rank in Software Development competition organised in Nimbus, NIT
- 2014 JEE MAIN rank: 11213
- 2010 NTSE 1st stage qualifier

Personal Skills

Quick learner, positive attitude
Full commitment to work
Good decision making and analytical skills

Extra-curricular activities

- GLUG-NITH Active member of GNU/Linux User Group at College
Contributor in various college level projects.
- CSEC Executive member of CSE Club in college.

Recreational Interests

- Japanese Animations & Comics
- Reading historical accounts
- Photography
- German Language