Falak Reyaz Wani

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EDUCATION

IIIT-DELHI
M.Tech Computer Science
Jul 2016 | Present
Cum. GPA: 8.69

N.I.T SRINAGAR
B.Tech Computer Science
Jun 2010 | Jun 2014
Cum. GPA: 8.18

BURN HALL SCHOOL
Higher Secondary
Grad. Dec 2009| Srinagar, India
GPA:85.46
High School
Grad. Dec 2007| Srinagar, India
GPA:89.46

SKILLS

PROGRAMMING
Proficient:
c • golang • python
Intermediate:
c++ • shell • cuda
Familiar:
java • Assembly • LaTeX

TOOLS
Proficient:
vim • gdb • docker
Intermediate:
coccinelle • perf • qemu
Familiar:
dtrace• objdump
lint • sparse • kvm

LINKS

Github: **mfrw**
Quora: **mfrw**
Linux Kernel: **Contribution**

COURSEWORK

Operating Systems
Embeded Systems
Computer Architecture
Parallel Programming
Compiler Design
[Teaching Assitant]

INDEPENDENT STUDY
Linux Kernel • Tor

EXPERIENCE

IIIT-D | Teaching Assistant
Jul 2016 - Present| Delhi, IN
Helped instructor in conducting lectures, lab and tutorials for the courses.
- **CSE 545: Foundations of Computer Security** , Monsoon 2017.
- **CSE6xx: Topics in Adaptive Cyber Security** , Winter 2017.
- **CSE 131: Computer Systems Management** , Monsoon 2016.

Instructed a 3 day module for Systems & Advanced C.

ARICENT | Software Engineer
Oct 2014 – May 16 | Gurgaon, IN
Worked on TMA, wrote network programming in c and python. Also maintained the Linux servers Of my team. Evangelized about **vim & emacs** in sessions, to improve productivity.

JAMMU & KASHMIR BANK | Intern
Dec 2012 – Mar 2013 | Corporate HQ, Srinagar, IN
Configuration and monitoring of routers (cisco/juniper), IDS, IPS and DevOps.

OPENSOURCE

LINUX KERNEL | Passion
Dec 2014 – Present
I am aware with the basic structure of the linux kernel, having submitted basic cleanup patches replacing out-of-date API with modern equivalents. Used coccinelle for some of the patches. I am fairly experienced in working with community and up-streaming patches to the mainline. I have learned a lot from the eudyptula-challenge.

GOLANG | Boredom killer
Jul 2016 - Present
Submitted trivial patches to the golang project. I am currently trying to figure out the innards of **golang** by studying the source.

INTERESTS

- Distributed Systems • High Performance Computing
- Linux Kernel Development

PROJECTS

Academia
- **VoiP Over Tor:** An on going research project to enable VoiP over Tor for anonymous communication.
- **Board Bring Up (TI-EVMK2H):** Worked with a Texas Instruments EVM K2H. Compiled Linux Kernel for it and modified **hck2h** to run over it.
- **Deep Question Similarity:** Developed a model using deep learning and IR techniques to identify similarity of question. The dataset used for this project was the Quora Question Similarity Dataset.
- **Cool Compiler:** Wrote a compiler for the COOL Language, based on Stanford Universities Compiler Design Course.

Miscellaneous
- Currently on **task 16** of the **eudyptula-challenge**
- Talk at meetups regarding Linux Kernel, docker and goLang.
- Mentored a junior, who got selected in Google Summer of Code.