

TAPESH MANDAL

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Blog - <https://tman258blog.wordpress.com/>

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Age: 27 Years, Passport No. K 1744757, Languages known: English, Hindi, Bengali

WORK EXPERIENCE

Software Development Engineer II, Nineleaps, Bangalore (2/July/2018 – Present)

Providing data engineering solutions for a client. Primary language of development is **python**.

Quality Engineering Intern, Red Hat Bangalore (4/Sept /2017- 8/Feb/2018)

I was an intern with the container-native storage team. I have contributed by automating test cases in **python** and contributing features to the automation library developed and maintained by the team.

OPEN SOURCE CONTRIBUTOR (2015-2016)

Contributor to Mozilla's Automation Projects:

I have fixed 5 bugs for mozilla_ci_tools which is a continuous integration project. The project is entirely written in **python**. The largest patch is of 262 lines regarding scheduling of jobs.

The other project was called Treeherder which is a dashboard for tests used by Mozilla's automation team. I have fixed 5 user-interface bugs which involved improving and tweaking its UI codebase written in javascript.

Wrote Tests for SuperTux:

I wrote two unittests using Google Test Framework (C++) for SuperTux.org.

TALKS DELIVERED (Academic and non-academic):

- **The art of writing test cases**, Red Hat QECampX Bangalore 17. This was during my internship at Red Hat.
- **Effect of user sentiments in evolution of social networks**, This was part of my M.Tech. curriculum (7th semester) where we had to deliver a seminar on a topic. This talk was highly appreciated by my peers and the supervising faculty.

RESEARCH PROJECTS (Part of M.Tech. Thesis work) :

A strategy for random sampling of sub-graphs used in graphlet kernels

A part of the work has been submitted as a research paper to a reputed journal and is in post revision stage. The code for the experiments performed was written in **python** using **igraph** library.

Nth term approximation for exponential matrix series used in heat kernels

It is implemented in **python** using **igraph**, **numpy**. The work has been submitted to a reputed journal in the form of a research paper and is under review.

OTHER PROJECTS:

B.Tech. Final Year Project:

Maximum Power Point Tracking of Solar Cells and Inverter design for the same using **MATLAB**.

WORKBENCH:

Ubuntu 14.04 LTS, Fedora 25, IDLE, vim for python, git and github, numpy etc.

Programming languages:

Python, C/C++ , Java, Javascript, HTML, CSS, PHP

EDUCATION

- **ABV Indian Institute of Information Technology & Management, Gwalior**
M.Tech. Advanced Networks (2015-2017) - CGPA : 7.47
- **National Institute of Technology, Mizoram**
B.Tech. Electrical and Electronics Engineering (2010-2014) - CGPA : 7.00