Prashant Piprotar

FINAL YEAR POSTGRADUATE • COMPUTER SCIENCE & ENGINEERING

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Academic Qualifications

2019-Present	M.Tech(Computer Science & Engg.)	IIT Kanpur	8.6/10
2014-2018	B.Tech.(Computer Engineering)	CSPIT, CHARUSAT	9.04/10
2013-2014	XII (C.B.S.E.)	K.V. No.2, Jamnagar	81%
2011-2012	X (C.B.S.E.)	K.V. No.2, Jamnagar	10/10

Internship

Centre for Development of Advanced Computing, R & D | Under SDN Online Lab   *Jan' 18 - Apr' 18*
- SDN Online Lab is an open-source, online platform for developing software defined network (SDN) applications.
- The main components are Network Emulator and IDE, which supports full development lifecycle for SDN Applications.

Research Experience

Benchmarking HPC 2013 | M.Tech Thesis | Under Prof. Preeti Malakar   *May'20 - June 20*
- All the pre-tests were performed to measure the average throughput of the HPC.

Testing Hadoop, Hbase on HPC | M.Tech Thesis | Under Prof. Preeti Malakar   *July'20 - Ongoing*
- Testing existing converged models of Big Data Analytics and HPC tools to improve it for the current or upcoming HPC systems.

Course Projects

Cloud MPI | Under Prof. Preeti Malakar (CS698G) | github.com/prashplus/CloudMPI   *Jan'20- May 20*
- Developed a C++ support library to facilitate some additional functionalities to the existing MPI library.
- The Project aims to increase the performance of MPI library over the Public Cloud Environment.

Malware Detection using ML | Under Prof. Sandeep Shukla (CS698M)   *Feb'20- Mar' 20*
- Developed machine learning models for malware detection on the given static and dynamic analysis data sets of the programs.

DeCaptcha | Under Prof. Purushottam Kar (CS771A)   *Oct'20- Nov' 20*
- Extracting text from the captcha using image processing and Deep learning model.

Scholastic Achievements

- Secured **All India Rank 422** in **GATE 2019** among the 99932 candidates.
- "Certificate of Merit" from Central Board of Secondary Education(CBSE) for class X.

Certification / Training

- **Cisco Certified Network Associate**: Routing and Switching   *Jan'17- Dec' 17*
- **Mobile Communication** – BSNL RTTC Ahmedabad   *June 16*
- **MTA**: Windows Server Administration Fundamentals - Certified 2017   *Oct' 17*

Positions of Responsibility

Fundamentals of Computing | ESC101 | Teaching Assistant   *Aug'19-Nov'19*
- Major duties involved handling Labs and clearing doubts.

Fundamentals of Computing | ESC101 | Teaching Assistant   *Jan'20-Mar'20*
- Major duties involved handling Labs and grading assignments and exams.

Hobbies

Hockey   Roller skating   PC gaming

Extra-curricular Activities

- Participated in workshop "Mobile Making" at MSU   *Feb' 15.*
- Participated in workshop "ONE 2016" at NIT, Karnataka.   *Jul' 16*
- Attended Nvidia Developer Connect 2018 at Delhi.   *Sep' 18*