

TULIKA AGRAWAL

PERSONAL DATA

PLACE AND DATE OF BIRTH: Gorakhpur, India | 03 May 1993
ADDRESS: GHA-511, IIT Hyderabad, Kandi, Sangareddy, Telangana, India, 502285
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EDUCATION

2017 -PRESENT Master of Technology in COMPUTER SCIENCE & ENGINEERING,
IIT Hyderabad, India
Research Topic: “Anomaly Detection in Networks” |
Advisor: Dr. Antony Franklin & Dr. Bheemarjuna Reddy Tamma
CURRENT-GPA: 8.38/10

AUGUST 2011 -JUNE 2015 Bachelor of Technology in COMPUTER SCIENCE & ENGINEERING
Galgotias College of Engineering & Technology, Greater Noida, India
PERCENTAGE: 77.9%

JUNE 2010 Intermediate Examination (10+2), Uttar Pradesh Board
PERCENTAGE: 81%

JUNE 2008 High School Examination, Uttar Pradesh Board
PERCENTAGE: 76.67%

WORK EXPERIENCE & INTERNSHIP

FEB-OCT 2016 Programmer Analyst Trainee
COGNIZANT TECHNOLOGY SOLUTIONS, INDIA
Worked on a project “ Triple-A Plus”, a portfolio management solution encompassing asset allocation, automated and complex Portfolio modeling, real time valuation and analysis tools.

JUNE 2013 Summer Intern at HP PVT. LTD.
Completed one month training on Java

COMPUTER SKILLS

Language: C, C++, Java, Python
Web Technologies: HTML, CSS
Scripting Language: Shell scripting, JavaScript
Operating System: Linux, Windows
Database: mysql
Tools: Visual Studio, Eclipse, Metasploit Framework, Triple-A Plus, \LaTeX , Mainframe (Job scheduling), OpenSSL
Simulator: NS3, OpenNetVM
Emulator: OpenAirInterface

ACADEMIC PROJECTS

JAN-PRESENT	NFP: Enabling Network Function Parallelism in NFV Reproducing the results for NFP framework which is based on DPDK. It enables network function parallelism to improve NFV performance.
SEP-NOV 2017	Anomaly detection in Networks using Machine Learning Applied Unsupervised learning techniques to detect anomalies in network. Detected two basic anomalies, TCP SYN flooding & Port Scanning.
SEP-NOV 2017	IoT device usage based user pattern identification Applied FP Growth algorithm to identify the usage pattern of IoT devices and then provided the contextual suggestions in order to make system energy efficient.
JAN-APR 2015	Energy Efficiency in Wireless Sensor network Reproduced the results of a three way approach for energy efficient routing using multipath routing and clustering technique.

CERTIFICATES

DEC. 2017 OpenAir Interface (Completed GIAN course on OAI in IIT Hyderabad)

LANGUAGES

ENGLISH: Fluent
HINDI: Mother tongue

INTERESTS AND ACTIVITIES

Reading psychological articles
Travelling
Programming