

# Pratik Tiwari

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## EDUCATION

### IIIT HYDERABAD

M-TECH COMPUTER SCIENCE AND  
ENGINEERING  
Batch (2019-2021)  
CGPA: 9.72 / 10.0

### AMITY UNIVERSITY NOIDA

B-TECH IN COMPUTER SCIENCE AND  
ENGINEERING  
Batch 2012-16, Noida, UP  
Cum. GPA: 7.67/10.0

### DIVINE LIFE

GUJARAT STATE BOARD  
SSC(Yr. 2010): 7.9 / 10.0  
HSC(Yr. 2012, PCCM): 6.1 / 10.0  
Gujarat, India

## LINKS

Github:// pratikiiiith  
LinkedIn:// tiwaripratik

## RELEVANT COURSE

### POST GRADUATE

Machine Learning  
Advanced Problem Solving  
Operating System  
Internals of Application Server  
Distributed Systems  
Data Analytic

## SKILLS

### PROGRAMMING

C • C++ • Python

### DATABASE / MESSAGING

Mysql • MongoDB • Kafka

### HADOOP ECOSYSTEM

HDFS • HIVE • HBase • Spark

### ANALYTICAL TOOLS

Scikit Learn • Pandas • Numpy • Tableau

### DEV TOOLS

• Docker • Nginx

## WORK EXPERIENCE

### SAMSUNG R&D INSTITUTE BANGALORE

SDE-INTERN | 2 MONTHS (MAY – JUL 2020)

- Worked with Samsung Visual Intelligence team, major task involves implementation of Deep Learning based Auto Encoder for Doodle compression used in Samsung AR applications.

### SAMSUNG R&D INSTITUTE DELHI

SOFTWARE ENGINEER | 39 MONTHS (JUNE 2016 – JUL 2019)

- Worked in Product Team, responsible for Visual Display Products software life cycle management and solving software and functional issues for every release.
- Worked in development of Automation Tool for Aging/Robust test of Samsung Smart TV.
- Solved 350+ software issue(Market Issue, Smart TV).

**BHARTI FOUNDATION GROUP | SOFTWARE ENGINEERING INTERN**  
MAY 2015 – JUN 2015 | GURUGRAM, DELHI NCR

- Worked on maintaining and creating VBA scripts containing data of 5Lac+ student profiles of Bharti Group.

## ACADEMIC PROJECTS

### IOT PLATFORM IIIT-H | INTERNALS OF APPLICATION SERVER

Distributive IOT Platform capable to manage complete life cycle of services/application provided by developer ,starting from User Authentication, Scheduling services, binding sensor data ,notification and deployment on specific environment.

### CHORD DHT IIIT-H | M-TECH PROJECT | OPERATING SYSTEM

A scalable distributed protocol for speeding up look ups in Peer to Peer Systems. Completely implemented Fingertable,Data Storing/Retrieving, Node Join/Leave, Data Display, Node Details, Finger Lookup.

### GROUP BASED FILE SHARING SYSTEM IIIT-H | M-TECH PROJECT

File sharing system with fallback multi-tracker system with synchronization and parallel downloading. Used openssl library for computing hash values of files. Implemented own algorithm for data piece selection.

### POSIX SHELL IIIT-H | M-TECH PROJECT | OPERATING SYSTEM

Implementation of C based non login shell with covering features like auto completion and UNIX-like commands(cat,Pipe,IO Redirection,Alarm,Alias).

## CERTIFICATION AND ONSITE WORK

2021	Teaching Assistant	IAS (IIIT-Hyderabad)
2019	Udemy	Apache Kafka
2019	Linux Academy	Docker
2018	Samsung Headquarter-Korea	Field Test for New year model 2018
2018	Samsung Singapore	Smart TV Field Test and Product Launch.
2017	Data Camp	Data Scientist [Pandas,Numpy,Scipy]