

# Rohan Pithadiya

rohan.pithadia@gmail.com | +91-8007713733 | Hyderabad-India

**BRIEF: 7.5 YEARS OF WORK EXPERIENCE, POST GRADUATION IN COMPUTER SCIENCE FROM IIT KHARAGPUR, WORKED ON LANGUAGES LIKE PYTHON , C, C++, DISTRIBUTED SYSTEMS, WEB TECHNOLOGIES, OPENSOURCE TECHNOLOGY ENTHUSIAST.**

## EDUCATION

### IIT KHARAGPUR

**MTECH IN COMPUTER SCIENCE**  
Batch 2009

### NIRMA INSTITUTE

**BE IN INFORMATION TECHNOLOGY**  
Batch 2005

## SKILLS

### PROGRAMMING

C • C++ • Python • JavaScript

### CONCEPTS

Distributed System • Web Technologies •  
Data Structure • Algorithm

### OPENSOURCE TECHNOLOGIES

Kafka • StreamSets • ZooKeeper •  
RabbitMQ • Airflow

### WEB TECHNOLOGIES

Web Services • REST • 3rd Party API  
integration • Micro Services • AWS

### UNITTEST & DEPLOYMENTS

pyTest • unittest • docker

### DATABASE AND DATASTORE

Postgres • MySQL • MongoDB • Redis

## EXPERIENCE

### 3LOQ LABS

Oct 2017 – Present • SSE

### CULTURE MACHINE MEDIA

July 2015 – Oct 2017 • SSE

### SAMSUNG RESEARCH INDIA

April 2012 – March 2015 • SSE

### MAX SECURE SOFTWARE

February 2011 – July 2011 • SSE

### GAMCOM IT SERVICES LTD.

December 2009 – February 2011 • SE

## LINKS

LinkedIn:// RohanPithadiya  
Github:// RohanPithadiya

## PROJECTS

### HABITUAL-AI | 3LOQ LABS

- Habitual-AI is the habit building recommendation system.
- Currently building product from inception to production.
- Developed data pipeline-data ingestion to recommendation.
- Created SAAS based platform for Insights & Analytics.

### VIDEO MACHINE | CULTURE MACHINE MEDIA

- SaaS application which automatically generate videos at scale.
- Built priority mechanism for video generation which reduces video turn around time from a few hours to approx 10 minutes.
- Built image suggestion system, helps reduced time to curate video for production team.
- Built asset importer which imports assets from stock services such as reuters, shutterstock, getty to improve quality of videos.

### SMARTHUB ON CLOUD | SAMSUNG

- The system streams server based applications to low end devices(TV, Mobiles).
- Supported games and applications like fifa, msOffice, firefox.
- Worked on supporting TV(linux) and mobile(android) on same data channel.
- Worked on load balancing of application servers to distribute load.

### TRAFFIC REDUNDANCY ELIMINATION (TRE) | SAMSUNG

- The project reducing latency and server overhead while transferring data.
- Worked on dynamically divides chunks using fingerprint algorithm to identify data change.
- Worked on receiver to transfer data using TRE approach.

### PDF-ANITVIRUS TOOL | MAXSECURE

- The tool scans PDFs for viruses(malicious codes) and quarantines them.
- No 3rd party library used, developed from scratch.
- Achieved 93% accuracy in test data set.

### ANTI SPAM PLUGIN FOR OUTLOOK | MAXSECURE

- Developed plugin to classify incoming mail to spam or not, using Naive Bayes classifier algorithm. It also learned from blacklisted mails and keywords.

## ACADEMIC PROJECTS

### REDUCE ENERGY CONSUMPTION FOR TASK SCHEDULING IN HARD REAL-TIME SYSTEM | MASTER THESIS

- Achieved 47% - 50% energy reduction in average workload.

### AUTOMATION OF LICENSE PLATE RECOGNITION

- Achieved 96% accuracy in character recognition using NN while 82% in plate detection.