

Rohan Pithadiya

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

VIDEO MACHINE | CULTURE MACHINE MEDIA

- Its SaaS application which automatically generate videos at scale.
- Built a priority mechanism for video generation which reduces video turnaround time from a few hours to approx 10 minutes.
- Built an image suggestion system, which helps reduce time to curate video for production team.
- Built an asset importer which imports assets from stock services such as Reuters, Shutterstock, Getty to improve quality of videos.

SMARTHUB ON CLOUD | SAMSUNG

- Platform 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 was about reducing latency and server overhead while transferring data over network.
- Worked on dynamically dividing 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 if the incoming mail is spam or not, using Naive Bayes classifier algorithm. It also learns 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.