

Piyush Mishra

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EDUCATION

- **Delhi Technological University** Delhi, India
Bachelor of Technology in Electronics and Communication; GPA: 8.1/10.0 *Aug. 2011 – May. 2015*

EXPERIENCE

- **Goibibo/MakeMyTrip** Bangalore, India
Sr. Software Engineer 2 *October 2019 - Present*
 - **InGoMMT Extranet Portal:** Developing and maintaining backend services for Goibibo and MakeMyTrip hotelier platform.
 - **InGoMMT Extranet Portal:** Worked on User Generated Content, Google drive integration and creation of REST APIs.
 - **InGoMMT Extranet Portal:** Developed the full video backend functionality, with compression techniques to save bandwidth and optimize cost.
- **Amadeus** Bangalore, India
Sr. Software Engineer *July 2015 - October 2019*
 - **Channel Hub:** Developing REST APIs to handle shopping and booking transactions for Hotel IT platform.
 - **Rail OBE:** Developed Open Backend (OBE) components for rail web services distribution platform.
 - **SPEAR:** Developed web application and REST API for managing of passenger record data.
 - **ALF Library:** Developed python library for internal issue tracking system.
 - **Data Integrity Checker:** Tool to check data integrity among databases having incompatible schema.
 - **Load Coordinator:** Global production load coordinator for rail business unit.
 - **Mentorship:** Mentoring and grooming of interns.

PROGRAMMING SKILLS

- **Goibibo (MakeMyTrip)** Bangalore, India
Sr. Software Engineer 2 *October 2019 - Present*
 - **InGoMMT Extranet Portal:** Developing and maintaining backend services for Goibibo and MakeMyTrip hotel platform.
 - **InGoMMT Extranet Portal:** REST APIs, Images & Video, How to reach, Covid Survey, MMT Host APP, Multi Vendor Support Worked on User Generated Content, Google drive integration and creation of REST APIs.
 - **InGoMMT Extranet Portal:** Developed the full video backend functionality, with compression techniques to save bandwidth and optimize cost.
- **Amadeus** Bangalore, India
Sr. Software Engineer *July 2015 - October 2019*
 - **Channel Hub:** Developing REST APIs to handle shopping and booking transactions for Hotel IT platform.
 - **SPEAR:** Developed web application and REST API for managing of passenger record data.

TECHNICAL SKILLS

Languages: Python, C/C++, Go, SQL, Shell (BASH)

Technologies: Django, Django Rest Framework (DRF), MySQL, MongoDB, Areospike, Redis, Kafka, ElasticSearch, Celery, Protobuf, gRPC, OpenMP, Open MPI

Developer Tools: Git, Docker, Jenkins, AWS (ECS, EC2, S3), Grafana, Sumologic, Scalyr, NewRelic

PROJECTS

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- **Multithreaded file transfer server:** Designed a multithreaded file server with caching
- **Distributed File System:** Designed and implemented a distributed file system (DFS) with a weakly consistent synchronization system to manage cache consistency between multiple clients and a single server. C++14, gRPC, and Protocol Buffers.
- **Virtual CPU Scheduler and memory coordinator:** Designed and implemented a libvirt API to schedule virtual cpu and memory resources. C, KVM, libvirt
- **Map reduce implementation using gRPC:** Designed and implemented a distributed file system (DFS) with a weakly consistent synchronization system to manage cache consistency between multiple clients and a single server. C++14, gRPC, and Protocol Buffers.

## RECOGNITIONS

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- Winner at Futurize hackathon for AI-based hotel concierge chatbot using Amazon Lex integrated with Alexa.
- Recognized and awarded best performer four times at work.
- Scored top 0.2% among 1.2 million aspirants in IIT JEE and AIEEE 2011 examinations.