

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** Bangalore, India
Sr. Software Engineer *October 2019 - Present*
 - **InGoIbibo**: Developing REST APIs to handle shopping and booking transactions for Hotel IT platform.
- **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.

PROJECTS AND RESEARCH

- **Classification of brain tumors**: Gaussian filter to extract the noise and statistical texture features from the MRI scans and a decision tree classifier to predict the type of brain tumor.
- **Twitter sentiment analysis.**: Sentiment analysis of tweets based on their positive or negative connotations.
- **MQTT Implementation**: MQTT client and server implementation over WebSocket in Node.js.
- **I²C protocol**: I²C Bus Master Implementation Using VHDL.
- **Interactive piano**: FPGA based interactive piano implemented using a monitor as touch screen device and sound generation using Karplus Strong string synthesis.
- **Seminars**: Presented seminars on Software defined radio and fourth generation wireless technologies.

PROGRAMMING SKILLS

- **Languages**: C, C++, Python, Javascript, Java, Perl, Shell scripting **Technologies**: Django, Flask, React, Redis, Kafka, Celery, MySQL, Couchbase, Docker, Kubernetes, AWS, Protobuf, Nodejs

WORKSHOPS

- **Texas Instruments**: Linux Kernel Driver Development on Beaglebone Black.
- **Agile Asia**: Behavior driven development using Java and Python.

RECOGNITIONS

- 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.

ONLINE COURSES

- **Introduction to Computer Science and Programming**: Massachusetts Institute of Technology
- **Algorithmic Toolbox and Data Structures**: University of California San Diego
- **Heterogeneous Parallel Programming**: University of Illinois at Urbana-Champaign