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

- **Amadeus** — Bangalore, India
  Sr. Software Engineer — *July 2015 - Present*
  - **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.

- **Bharat Electronics Limited** — Delhi, India
  Intern — *Dec 2013 - Jan 2014*
  - **Electronics Lab**: Design, development and testing of FPGA based Beam Steering Unit for Phased Array Radars.

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**: I^2C 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, JS, Java, Perl, VHDL   **Technologies**: Django, Flask, Bootstrap

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