

- ✚ **Work Experience: Embedded Software Engineer @ Unify IoT Technologies [Jun 2018 - May 2019]**
  - Research & PoC in Blockchain for IoT to eliminate cloud middleman using IPFS
  - [Smart WiFi Socket \(ESP8266 µC, NodeMCU Lua firmware\) mDNS discoverable, Timers, Calendar Sync, Easy Setup into Fixed \(to WiFi router\) Mode & Travel Mode](#)
  - [Smart Lid: Water Tank Level Switch to auto-turn on/off pump \(AVR, Ultrasonic sensor & HC06 Bluetooth\)](#)
  - Developed corresponding Android & GAE Python Flask REST API for remote monitoring & control
- ✚ **Work Experience: Technology Analyst, Software Engineer @ JP Morgan Chase [Jul 2015 - May 2018]**
  - Wrote code to automate data flow, regulatory report generation & submission to financial regulators
  - Carried out every phase of SDLC: SBE (Spec by Example) > Design > Dev > SIT > UAT > Prod & Monitor.
  - Collaborated with global teams of business users, compliance, central bank & regulator representatives from: India (SEBI, RBI), Japan (BoJ), Singapore (MAS), USA (SEC), UK (BoE)
  - Code consumed data from various upstream systems across diverse financial products of Capital (Stocks & Bonds) & Commodity Markets, Derivatives Markets, Futures & Forwards, Forex, Swaps
  - Made regular enhancements in existing frameworks to support new functionality
  - Was actively involved & contributed significantly in tech forums (especially blockchain)
  - **Force for Good (JPMC's Social welfare program):** Migrated OLTP DB to Azure using Pentaho ETL & developed multidimensional OLAP cube reports in PowerBI for Pratham NGO to manage its education centres for underprivileged children & gain valuable insights using Analytics. Some functions: aggregation, slicing, dicing, Roll-Up, drill down, Pivoting etc.

### ✚ Education

Master of Science, Computer Science	USC	2019-Present	Ongoing
Bachelors in Computer Engineering	Mumbai University	2012-2015	75.17%
Diploma in Computer Technology	MSBTE	2009-2012	84.24%
Matriculation	ICSE	2009	91.14%

- ✚ **394, 000 (& growing) number of people** reached [ <https://stackoverflow.com/users/1091784/ritesht93> ]

### ✚ Technical Skills (Software Development & Embedded Hobbyist)

▪ Java (EE & SE), Spring MVC, Hibernate ORM	▪ SCM, Build Tools: Jenkins, Maven, Git, TDD Fitnesse	▪ Web Tech: HTML, jQuery, Bootstrap, JS, PHP, LAMP, selenium	▪ Lua, C, Arduino, NodeMCU, AVR
▪ Python & Raspberry Pi	▪ DB: MySQL, MongoDB, Oracle	▪ Pentaho ETL	▪ Android App Development

- ✚ **Published Paper (April-2014) “[Emergence in Web-based Botnets \(Targeting Application Layer\)](#)”,** IJERT, ESRSA Publications, Journal Vol 3, Issue 4. ISSN: 2278-0181

### ✚ Achievements

- **JP Morgan Chase Tech Savvy Award** 2015
- **Ranked 1st in all 3 years of diploma in Computer Technology branch** 2009-2012
- **Junior & Senior Technical Officer @ Computer Society of India (CSI)** 2012-2014  
As a council member I managed & conducted society events both technical & non-technical, Presented various seminars in collaboration with IIT Bombay (Python, etc.) & solely under CSI-VESIT
- **Runner up at JPMC Code for Good Hackathon** 12,13 July, 2014

### ✚ Major Projects Developed

- [PXE N/W Boot Server](#) (Python Raspberry Pi Cluster) 2015
- [Experimental DDoS Botnet](#) (C#, DDNS, Android SDK, PHP, MySQL) 2014
- [Cricomania \[ Cricket Player Auction Tracking \]](#) (Android SDK, Java: Sockets, Swing, PHP, MySQL) 2014
- [Automated Attendance Monitoring System](#) (Android SDK, Java: Sockets, Swing, PHP, MySQL) 2014
- [Computer Builder Website](#) (PHP, MySQL, HTML) 2014
- [CSI Experience Android App](#) (Android SDK, RSS) 2013
- [Wireless MCQ Quiz Android App](#) (Android SDK, Java: Sockets, Swing) 2013
- [Sentiment Analysis using Opinion Mining](#) (Supervised ML, ASP.NET (C#), MS-SQL) 2013
- [RecordShot Audio & Screen Recorder](#) (Android SDK, Shell scripting) 2012
- [Xquisite \(Game Zone\)](#) (C++ Borland Graphics Interface) 2010

- ✚ **Extra-Curricular** (Secured 1st place in Tech-it-away Tech Quiz & Bluff-master organized by IEEE) 2012