

WORK EXPERIENCE

AUG 2011 - JUL 2015	Application Developer/Associate at JP Morgan Chase & Co., Mumbai, IN (<i>Investment Banking</i>) <ul style="list-style-type: none">•Developed feeds for backend processing required for trading different types of derivatives.•Earned 'Star of the Quarter' Award for high quality output and debugging skills. (Jun '12)•Optimized 'Dividend Straight Through Processing' achieving 56% increase in Automated Processing.•Introduced multi-threading to a java feeds framework.
JAN 2016 - APR 2016	Teaching Assistant at IIIT Hyderabad for Data Structures Course

EDUCATION

JUNE 2017 (Expected)	M.Tech in CSE, International Institute of Information Technology, Hyderabad, CGPA: 9.56/10
JULY 2011	B.Tech in I.T., College of Engineering, Pune, CGPA: 8.19/10
2007	H.S.C at Dr. Zakir Hussain Jr. College, Parbhani, IN 90%
2005	S.S.C at Queens English School, Parbhani, IN 85.45%

PROJECTS

MONSOON '16	'Difflet - Difference Between' - <i>Semester Project</i> Web2py framework project to display point-by-point difference between two entities. Python back-end that extracts data from wikipedia. Demo - bit.ly/Difflet House Price Prediction (Kaggle Contest) - <i>Data Warehousing & Data Mining</i> Regression problem that required use of ml/regression algorithms along with feature engineering. HTTP 1.1 Web Proxy - <i>Advanced Computer Networks</i> Web proxy that supports several http headers(RFC 1945 & 2616) along with major 'cache-control' policy.
SPRING '16	IoT(Internet of Things) Platform under Prof. Ramesh Loganathan Nodejs project. Team of 6. Built a distributed IoT Platform that would enable developer to deploy his IoT idea quickly. Modules developed - Data Listener, Sensor & Gateway Registry, Events Engine. Wikipedia Search Engine - <i>Information Retrieval & Extraction</i> Java project to parse & index 56 GB wikipedia dump. Query retrieval under 1sec using 3-level index. Product Search Relevance (Kaggle Contest) - <i>Statistical Methods in Artificial Intelligence</i> Python project. A contest by HomeDepot(US retailer for home products) to get the search relevance score for the user queries on the HomeDepot website. Feature engineering was the main task.
OTHER & SELF	<ul style="list-style-type: none">•OS : Pintos - implemented priority scheduling.•OS : Implemented Shell in C with builtins, pipes, io-redirection and background jobs•IRE : improving accuracy of 'Named Entity Recognition' bit.ly/ire-ner•BTech DBMS Project : Restaurant Finder website with SMS feature.•Android App : college time table application.

ACHIEVEMENTS AND AWARDS

- IIIT-H Dean Award for excelling in academics (Sem I and II)
- Oracle Certified Java Professional Programmer (Oracle ID: OC1428842)
- 3 times Java Dojo Winner in JP Morgan
- IIT K - MOOC - C Programming Course : Achieved 100% (Nov '14)
- Active contributor to StackOverflow.com(Top 6% overall) and Unix.Stackexchange.com(Top 4% overall)
- **Unsung Hero** badge from StackOverflow.com

LANGUAGES AND TECHNOLOGIES

- C/C++, Java, Python, Unix/Bash Scripting
- IDE: Master of Vim & Eclipse, Intelli Idea
- Amazon EC2. nodejs, web2py, html5/css3/js, Android(Basic)
- Version Control: Git, SVN, IBM Clearcase, DB: mysql, sybase

Detailed projects information, source for all projects can be found at <http://mdtareque.github.io/cv/>