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Md Tareque Khan

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Work Experience

Aug '11-July '15	**Application Developer/Associate at JP Morgan Chase & Co., Mumbai, IN** *Investment Banking* Developed 20+ feeds for backend processing required for different types of derivatives trading. Praise earned for high quality output, debugging skills, creation of utility tools that are now being used by the team day-to-day. Was the goto unix guy in the global team.

Projects

Spring '16	**IoT(Internet of Things) Platform** *Prof. Ramesh Loganathan* Nodejs project. Team of 6 built the IoT Platform that would enable developer to deploy his IoT idea quickly. Different module developed were Data Listener, Sensor & Gateway Registry, Events/Rules Engine, Notification Server.
Spring '16	**Wikipedia Search Engine** *Information Retrieval & Extraction* Java project to parse and index 56 GB dump of wikipedia textual data. Query retrieval time limit of 1s using 3-level index of 7.5GB
Spring '16	**Product Search Relevance** *Statistical Methods in Artificial Intelligence* Python Project, a kaggle competion by HomeDepot to get the search relevance score for the queries users searched on the HomeDepot website.
Monsoon '15	**'Difference Between' web2py project** *Scripting & Computing Env.* Web2py framework project to display point by point difference between two entities selected by user
Monsoon '15	**'Concurrent Data Structure Implementation'** *Prof. Govindrajulu* Concurrent Stack and Queue implementation with EliminationBackOff Strategy
Other & Self	- Content Categorizer and Recommendation Engine - Pintos, Operating Systems project added priority scheduling - Restaurant Finder DBMS WebApp with sms feature - Snakes&Ladders game in OpenGL & Android college time table application

Education

July 2017 (Expected)	M.Tech in CSE, **International Institute of Information Technology, Hyderabad** Cgpa: 9.56/10 (upto Sem II)
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, Parbhan**, IN Score: 90% 1st in College
2005	S.S.C at **Queens English School, Parbhani** Score: 85.45 %

Weblinks to Projects

- Difflet Demo : https://mdtareque.pythonanywhere.com/difflet/default/search
- Named Entity Recognition http://mdtareque.github.io/ire-ner/, [Presentation Demo Youtube Link]

Certificates and Achievement

Oct. 2014	Oracle Certified Java Professional Programmer (Oracle ID: OC1428842)
June 2012	Star of the Quarter Award at JP Morgan
Oct 2013	3 times Java Dojo winner at JP Morgan
Aug 2010	1st Prize in C Code Contest at Interdisciplinary School of Scientific Computing, Univ of Pune

Computer Skills

Languages	C/C++, Java, Python, Unix Scripting, JavaScript
Editors	VIM Master, Eclipse Pro
Version Control	Git, SVN, IBM Clearcase
Frameworks	Spring, Hibernate, Ibatis
Tech	Amazon EC2. nodejs, web2py

Interests and Activities

- Competitive Programming ProjectEuler 56 Solved, Codeforces, TopCoder, HackerEarth contest
- Spend time answering on StackExchange Q&A websites like StackOverflow and Unix
- Table Tennis

Web Presence

Project Euler & StackOverflow

- Github Profile
- https://in.linkedin.com/in/mdtareque
- https://www.codechef.com/users/mtk
- http://stackoverflow.com/users/1135954/mtk/ (Top 7% reputation wise)

Languages

English:	Fluent
Hindi:	Fluent
Marathi:	Basic Knowledge