

Qualifications Summary

- Competent at managing responsibilities in a high-volume atmosphere
- Hard worker, quick learner, and ability to assume responsibility

GitHub Projects

- **prat0318/2048-tetris**
 - *Live at 2048-tetris.com*
 - Wrote a Tetris variant of 2048 game, 1M+ unique visits
 - Made it to the front page of Hacker News for a day(150 pts), mentioned in TechCrunch.
- **prat0318/gitator**
 - *Live at Gitator.com*
 - Finds relevant repositories based on an user's GitHub profile.
 - Written in Ruby on Sinatra and uses Github's Octokit gem

Technical Skills

Programming Languages: Ruby, Python, Java, C++, Javascript, PHP

Web Frameworks: Sinatra, Django, Rails, Apache

Databases: MySQL, PostgreSQL, IBM Informix, IBM DB2

Education

- **University of Texas at Austin** 2015
Master of Science, Computer Science GPA: 3.55/4
- **Indian Institute of Technology, Kharagpur (IN)** 2009
Bachelor of Technology (Hons.), Computer Science GPA: 8.91/10

Academic Achievements

- Was among the top 5% in the institute merit list of the undergraduate batch at IIT Kharagpur.
- Secured 383rd Rank in IIT-JEE 2005, an exam conducted by Indian Institute of Technology(s).

Professional Experience

- **CTR, UT Austin**
Graduate Research Assistant Sept. 2013 Jan. 2014
 - Developed a common web interface <http://unitydatabase.com> to search through different datasets and output aggregate results and ensuring easy pluggability of new datasets.
 - Technologies used: Python, Django, South, PostgreSQL
- **Flipkart** India
Software Development Engineer Jun. 2011 Jul. 2013
 - Wrote a ruby gem *Morsel* to traverse through active record trees to purge old records. It helped in limiting the production database size and keeping the data clean.
 - Was part of a team which developed the warehouse module in RoR framework from scratch. It now scales to around 10X as compared to the ERP system existed.

- Designed warehouse stock snapshots and stock ledger framework using Pig scripts to make the supply chain system legally compliant.
- Technologies used: Ruby, Java, Pig, Active Records, MySQL

India

• IBM Software Labs

Software Engineer

Jul. 2009 Jun. 2011

- Handled high priority issues for JDBC client driver for IBM Informix database.
- Was awarded Smart CADian award for resolving an obscure deadlock situation, making Informix JDBC driver more robust.
- Technologies used: Java, IBM Informix, IBM DB2

Other Personal Projects

- Designed product *Omerta*, a multi-user chat room application in j2me using Sun Wireless Toolkit platform.
 - Was awarded 1st position for the product in *Envision*, Product Innovation Contest, IIT KGP.
 - Was awarded 1st position for the product in *Javawise*, J2ME s/w Development Contest at IIT Kharagpur, 2008 and 2009 continuously.

Graduate Courses Taken

Distributed Computing

Multicore Programming

Feature Oriented Programming

Undergraduate Courses Taken

Network Systems

Graph Theory

Research Experience

- Undergraduate project, Sanyog Lab, IIT Kharagpur (Jul. 2008 May 2009)
 - Designing and Formal modelling of embedded systems for project Sanyog.
 - Skills Developed: Low level system design, theorem verification using Prolog and Coq

Patents

- US Patent X,XXX,634 - *Another exotic title like bed cover with an inflatable human form.*, issued on September 15, 1992.

Publications

”Some exotic dummy title like potentials arising from string compactifications” Michl Dugls, Mrclo Dsconi, *arXiv: 1206.1885, June 2012.*

Memberships

- Member of the ACM awesomest humans secret group, 2008-present

Extra Curricular Awards

- Was awarded 2nd position in Bionetics, Coding Event, Genesis 09 at IIT Kharagpur.
- Microsoft Student Partner of IIT Kharagpur from the period July 08 June 09.