

## 🔗 GitHub Projects

- **prat0318/json\_resume** » Details at **<http://jsonresu.me>**
  - Ruby library to generate resume from JSON to HTML, pdf, md, tex formats.
  - Around 1K stars on Github. Front page of Hacker News
  - Current resume has been generated using json\_resume.
- **prat0318/2048-tetris** » Live at **2048-tetris.com**
  - Wrote a Tetris variant of 2048 game, 1M+ unique visits
  - Front page of Hacker News(~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**
- Web Frameworks: **Sinatra** **Django** **Rails** **Apache** **nginx**
- Databases: **MySQL** **PostgreSQL** **IBM Informix** **IBM DB2**

## 🎓 Education

Degree	Major	Institution	Graduation Year	GPA
Master of Science	Computer Science	University of Texas at Austin	2015	3.55/4
Bachelor of Technology (Hons.)	Computer Science	Indian Insitute of Technology, Kharagpur (IN)	2009	8.91/10

## 💼 Professional Experience

- Software Engineer Intern, Yelp, Inc., San Francisco (May, 2014 – Aug, 2014)
  - Wrote a Python package <http://github.com/Yelp/swagger-py> to build dynamic client library for a service.
  - It reads the **swagger schema** to get the service specifications.
  - The package is currently being used in Yelp's production environment.
  - Technologies got to work on: **Python** **Swagger v1.2** **twisted**
- Graduate Research Assistant, CTR, UT Austin (Sept. 2013 – Jan. 2014)
  - Developed a common web interface <http://unitydatabase.com> to search through different datasets.
  - Technologies got to work on: **Python** **Django** **South** **PostgreSQL**
- Software Development Engineer, Flipkart, India (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 the Supply chain team which remodelled and built a new one from scratch. It now scales to around 10X compared to the older system.
  - Technologies got to work on: **Ruby** **Java** **Pig** **Active Records** **MySQL**
- Software Engineer, IBM Software Labs, India (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 got to work on: `Java` `IBM Informix` `IBM DB2`

## 🏆 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).

## ⚙️ Other Personal Projects

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

## 🏛️ Graduate Courses Taken

Distributed Computing	Advanced Operating Systems
Multicore Programming	Engineering Programming Language

## 📝 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
- Summer Intern, Network Systems Lab, IIT Kharagpur (May 2008 – Jun. 2008)
  - Design and simulation of currently published Pull-based Freshness Schemes in C++.

## 🎵 Extra Curricular Awards

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