

Pranav Sharma

+91 7896186357 • pranav@prsharma.me • prsharma.me
Username [Github, Kaggle, Twitter, Facebook] - phraniic

Work Experience

- **Apache Allura (Powering SourceForge)** May '15–Current
○ *Open Source Contributor*
 - Integrating Slack API.
 - Worked with python2, TurboGear2 Framework, Apache Solr, MongoDB 3.2, native Git and Mercurial code base.
- **Finomena** Bangalore, India
○ *Software Developer Intern* May '16 - July '16
 - Developed and scaled Backend of an information extracting platform. Deployed it on EC2 AWS.
 - Designed and Normalized database structure of the application.
 - Real-Time processing on large $O(10^8)$ dataset size with low query latency.
 - Optimized the bottleneck queries and reduced performance time by almost 28%.
 - Developed a matching Algorithm for Indian Names. Based on algo - Jaro - Wrinkler, Edit Distance. Task accuracy almost 98%.

Education

Academic.....

- **NIT Silchar** Silchar, Assam
○ *Computer Science Engineering, GPA : 7.53/10* June 2013 – May 2017
- **Vidhyashram International School** Jodhpur, Rajasthan
○ *CGPA: 10, (A) Physics (B) Maths* 2013

CourseWork and Projects.....

- **Data Structures and Algorithms** - CodeForces, CodeChef, HackerRank. Username - direwolf7.
- **Computer Networks** - MAC protocol simulations; Standalone LAN Messenger.
- **Cloud Computing** - Deduplication Server File System.
- **Cryptography and Network Security** - Cryptography in Adversarial network using Neural Nets.
- **Numerical Algorithms** - Root finding methods, Memory Overflow Prevention algorithms in Python.

Independent CourseWork.....

- **cs224n Stanford NLP using Deep Learning** - Word2Vec, NER Tagger, RNNs using TensorFlow (without APIs).
- **18.06 MIT Linear Algebra** - Implemented SVD, PCA in Python.
- **Game Theory(Ongoing)** - Assignments, Ongoing - MiniMax, Nash Equilibria in Python.
- **Data Science Coursera** - Assignments.
- **Web Development Udacity** - Coursearcher : MOOC search engine.

Projects.....

- **Custom Grep** - C strings, Window Buffers, KMP Algorithm. 3.37 times faster than native grep in certain use cases.

Achievements

- Promoted in Project Management Committee, Apache Allura.
- ACM ICPC Chennai Regionals. Team rank - 54.
- Awarded Intern of the Week - Finomena.

Technical and Personal skills

- **Programming Languages:** Proficient in: C++, Python, \LaTeX .
- **Tools:** TensorFlow, Octave, Numba, Git, AWS, UNIX.